



R. D. Randall
 Wife John A. Briggs

Edgar Powers

32
 17
 13

\$ 238.09
 2446.87
 5000
 4893.75
 36148.02

1887

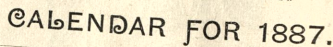
J. Munnick
San Francisco

Best method for Calculating
interest

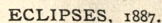
Multiply the principle by as
many hundredths as there
are days and for 4%
divide by 90 - 5% by
72 - 6% by 60 - 7% by
52

EXCELSIOR DIARY





	JUNE.	MAY.	APRIL.	MARCH.	FEBY.	JAN'Y.	1887.
	1	2	3	4	5	6	SUNDAY.
	8	9	10	11	12	13	MONDAY.
	15	16	17	18	19	20	TUESDAY.
	22	23	24	25	26	27	WEDNES.
	29	30	31				THURS.
							FRIDAY.
							SATUR.
							1887.
							SUNDAY.
							MONDAY.
							TUESDAY.
							WEDNES.
							THURS.
							FRIDAY.
							SATUR.
							1887.
							SUNDAY.
							MONDAY.
							TUESDAY.
							WEDNES.
							THURS.
							FRIDAY.
							SATUR.



There will be four Eclipses this year, two of the Sun and two of the Moon, as follows :

- I. A Partial Eclipse of the Moon, Feb. 8, the Moon rising partially eclipsed, ending at New-York at 6.34, eve.
- II. An Annular Eclipse of the Sun, Feb. 22, invisible in North America.
- III. A Partial Eclipse of the Moon, Aug. 3, invisible in U. S.
- IV. A Total Eclipse of the Sun, Aug. 18, invisible in U. S.

MORNING STARS.

MERCURY, until Feb. 7, from March 21 to May 27, July 29 to Sept. 10, and after Nov. 17. VENUS, after Sept. 21. MARS, after April 24. JUPITER, until Jan. 24. SATURN, from July 18 to Oct. 29. URANUS, until Jan. 2. NEPTUNE, from May 18 to Aug. 23.

EVENING STARS.

MERCURY, from Feb. 7 to Mch. 21, from May 27 to July 29, and Sept. 10 to Nov. 17. VENUS, until Sept. 21. MARS, until April 24. JUPITER, from Jan. 24 to Nov. 8. SATURN, until July 18 and after Oct. 29. URANUS, from Jan. 2 to Oct. 6. NEPTUNE, until May 18 and after Aug. 23.

PLANETS BRIGHTEST.

MERCURY, March 2-5; June 28 to July 1, and Oct. 24-27, setting after the Sun; also, April 17-20, Aug. 16-19, and Dec. 2-5, rising before the Sun. VENUS, Aug. 15 and Oct. 28. MARS, not this year. JUPITER, April 21. SATURN, Jan. 9. URANUS, March 31. NEPTUNE, Nov. 21.

MOVABLE FEASTS.

Septuagesima Sunday..Feb. 6	Easter Sunday.....Apr. 10
Sexagesima " " " 13	Low " " " 17
Quinquagesima " " " 20	Rogation " " " May 15
Ash-Wednesday....." 23	Ascension Day....." 19
Quadragesima Sun....." 27	Whit-Sunday (Pent.). " 29
Mid-Lent Sunday...Mar. 13	Trinity Sunday.....June 5
Palm Sunday.....Apr. 3	Corpus Christi....." 9
Good Friday....." 8	Advent Sunday.....Nov. 27

CHRONOLOGICAL CYCLES.

Dominical Letter.....	B	Roman Indiction.....	15
Epact (Moon's Age, Jan. 1)	6	Julian Period.....	6600
Lunar Cycle (Golden No.)	7	Dionysian Period.....	216
Solar Cycle.....	20	Jewish Lunar Cycle.....	4

The HEAVY-FACE figures in these almanac pages indicate time from 6 P. M. to 6 A. M.



Richard III.

GLOSTER. Nay, do not pause; for I did kill King Henry;—
But 't was thy beauty that provoked me.
Nay, now despatch; 't was I that stabb'd young Edward;—
But 't was thy heavenly face that set me on.

Act I., Scene II.

† JANUARY * 1887. †

MOON'S PHASES.		EASTERN DIV.		CENTRAL DIV.	
First Quarter	2 d.	7 h.	20 m.	6 h.	20 m.
Full Moon.....	9 d.	5 h.	32 m.	4 h.	32 m.
Last Quarter	16 d.	10 h.	22 m.	9 h.	22 m.
New Moon.....	23 d.	10 h.	1 m.	9 h.	1 m.

New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.	Sun sets.	Moon sets.	H.W. N.Y.	D. OF MO.	D. OF NY.	Sun rises.	Sun sets.	Moon sets.	H.W. N.Y.	D. OF MO.	D. OF NY.
Mean time.	Mean time.	Mean time.	Stan. time.			Mean time.	Mean time.	Mean time.	Stan. time.		
7 25	4 43	11 52	46	1	Sa.	7 30	4 38	11 52	3 47		
7 25	4 44	13	134	2	Sa.	7 30	4 39	morn.	4 35		
7 25	4 45	13	134	3	Mo.	7 30	4 40	50	5 22		
7 25	4 46	146	3 13	4	Mo.	7 30	4 41	147	6 15		
7 25	4 47	245	4 8	5	We.	7 30	4 42	248	4 32		
7 25	4 48	344	5 6	6	Th.	7 29	4 43	347	8 9		
7 25	4 49	443	6 1	7	Fr.	7 29	4 44	449	9 3		
7 24	4 50	547	6 59	8	Fr.	7 29	4 45	5 51	9 58		
7 24	4 51	rises.	7 45	9	Sa.	7 29	4 46	rises.	10 51		
7 24	4 52	6 7	8 38	10	Mo.	7 29	4 47	6 4	11 43		
7 24	4 53	716	9 30	11	Tu.	7 29	4 48	7 13	ev. 3		
7 23	4 54	838	10 19	12	Tu.	7 28	4 50	8 26	1 22		
7 23	4 55	937	11 6	13	Fr.	7 28	4 51	9 36	2 11		
7 23	4 56	10 46	11 58	14	Fr.	7 28	4 52	10 46	3 1		
7 22	4 57	11 53	ev. 51	15	Sa.	7 27	4 53	11 54	4 48		
7 22	4 58	morn.	1 48	16	Mo.	7 27	4 54	morn.	5 50		
7 21	5 0	2 59	2 48	17	Tu.	7 26	4 55	1 1	5 50		
7 21	5 1	3 8	3 48	18	Tu.	7 26	4 56	3 11	7 53		
7 21	5 2	3 8	4 49	19	We.	7 25	4 57	4 12	8 50		
7 20	5 3	4 8	5 47	20	Th.	7 24	4 59	5 9	9 42		
7 20	5 4	5 56	6 40	21	Fr.	7 24	5 0	6 0	10 32		
7 19	5 5	5 56	7 28	22	Sa.	7 23	5 1	6 0	11 15		
7 19	5 6	6 42	8 10	23	Sa.	7 22	5 2	6 47	11 54		
7 17	5 8	sets.	8 52	24	Tu.	7 22	5 3	sets.	11 54		
7 16	5 9	6 54	9 32	25	Tu.	7 21	5 6	6 54	morn.		
7 16	5 10	7 52	10 10	26	We.	7 20	5 8	7 50	34		
7 16	5 11	8 47	10 45	27	Th.	7 19	5 8	8 46	113		
7 14	5 13	9 43	11 24	28	Fr.	7 18	5 9	9 43	1 51		
7 13	5 14	10 38	morn.	29	Sa.	7 17	5 10	10 39	2 30		
7 12	5 15	11 34	5 30	30	Sa.	7 17	5 12	11 33	3 9		
7 12	5 16	morn.	49	31	Mo.	7 15	5 13	morn.	3 50		



Macbeth,

LADY MACBETH. Infirm of purpose!
Give me the daggers: the sleeping, and the dead,
Are but as pictures: 't is the eye of childhood
That fears a painted devil.

Act II., Scene I.

† FEBRUARY * 1887. †

MOON'S PHASES.		EASTERN DIV.		CENTRAL DIV.	
First Quarter	1 d.	3 h.	27 m.	2 h.	27 m.
Full Moon	8 d.	5 h.	14 m.	4 h.	14 m.
Last Quarter	14 d.	8 h.	32 m.	7 h.	32 m.
New Moon	22 d.	4 h.	40 m.	3 h.	40 m.

New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.	Sun sets.	Moon sets.	H.W. N.Y.	D. OF MO.	D. OF NY.	Sun rises.	Sun sets.	Moon sets.	H.W. N.Y.	D. OF MO.	D. OF NY.
Mean time.	Mean time.	Mean time.	Stan. time.			Mean time.	Mean time.	Mean time.	Stan. time.		
7 11	5 18	32	1 38	1	Tu.	7 14	5 14	34	4 39		
7 10	5 19	130	2 31	2	We.	7 13	5 15	133	5 33		
7 10	5 20	229	3 29	3	Th.	7 12	5 16	232	6 31		
7 7	5 21	328	4 22	4	Fr.	7 11	5 18	328	7 35		
7 6	5 22	427	5 34	5	Sa.	7 10	5 19	431	8 37		
7 5	5 23	523	6 35	6	Sa.	7 9	5 21	528	9 37		
7 4	5 25	rises.	7 30	7	Mo.	7 8	5 22	rises.	10 34		
7 3	5 26	6 4	8 18	8	Tu.	7 6	5 23	6 1	11 24		
7 2	5 27	7 18	9 12	9	We.	7 5	5 24	7 16	ev. 13		
7 1	5 28	8 30	10 4	10	Th.	7 4	5 25	8 29	1 2		
7 0	5 30	9 40	10 44	11	Fr.	7 2	5 26	9 49	1 50		
7 58	5 31	10 49	11 34	12	Sa.	7 1	5 28	10 51	2 38		
6 57	5 32	11 57	ev. 27	13	Sa.	7 0	5 29	11 59	3 29		
6 56	5 34	morn.	1 23	14	Mo.	6 59	5 30	morn.	4 24		
6 55	5 35	1 0	2 21	15	Tu.	6 57	5 32	1 3	5 24		
6 53	5 36	2 3	3 25	16	We.	6 56	5 33	2 7	6 27		
6 52	5 37	3 8	4 26	17	Th.	6 54	5 35	3 5	7 29		
6 51	5 39	4 54	5 26	18	Fr.	6 53	5 36	4 8	8 29		
6 49	5 40	4 41	6 19	19	Sa.	6 52	5 38	4 45	9 21		
6 48	5 41	5 23	7 6	20	Sa.	6 50	5 39	5 26	10 8		
6 46	5 43	6 2	7 47	21	Mo.	6 48	5 40	6 5	10 52		
6 45	5 44	sets.	8 24	22	Tu.	6 47	5 42	sets.	11 30		
6 44	5 45	6 40	9 3	23	We.	6 45	5 43	6 38	morn.		
6 42	5 46	7 37	9 40	24	Th.	6 44	5 45	7 36	5		
6 41	5 48	8 31	10 15	25	Fr.	6 42	5 46	8 31	4 2		
6 39	5 49	9 27	10 49	26	Sa.	6 41	5 47	9 28	1 18		
6 38	5 50	10 24	11 29	27	Sa.	6 39	5 49	10 26	1 55		
6 37	5 51	11 20	morn.	28	Mo.	6 38	5 50	11 23	2 33		



King Lear.

LEAR. Blow, wind, and crack your cheeks! rage! blow!
You cataracts, and hurricanes, spout
Till you have drench'd our steeples, drown'd the cocks!
Act III., Scene II.

† MARCH * 1887. †

MOON'S PHASES.				EASTERN DIV.		CENTRAL DIV.	
First Quarter....	2 d.	8 h.	7 m.	7 h.	7 m.		
Full Moon.....	9 d.	3 h.	34 m.	2 h.	34 m.		
Last Quarter.....	16 d.	8 h.	42 m.	7 h.	42 m.		
New Moon.....	24 d.	11 h.	10 m.	10 h.	10 m.		

• New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.				D. OF MO.		D. OF WK.		Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
Mean time.	Mean time.	Mean time.	Stan. time.	Sun rises.	Sun sets.	Mean time.	Mean time.	Sun rises.	Sun sets.	Mean time.	Stan. time.
6 35	5 53	morn.	13	1	Tu.	6 36	5 54	6 35	5 54	morn.	13
6 34	5 53	17	1 2	2	Th.	6 35	5 52	6 34	5 52	21	4 3
6 32	5 54	1 19	1 55	3	Fr.	6 33	5 53	6 33	5 53	1 23	4 57
6 30	5 55	2 12	2 26	4	Sa.	6 31	5 54	6 31	5 54	2 16	5 58
6 29	5 56	3 8	4 3	5	Sa.	6 28	5 55	6 28	5 55	3 12	7 6
6 27	5 57	4 1	5 10	6	Mo.	6 26	5 57	6 26	5 57	4 6	8 33
6 25	5 58	4 51	6 13	7	Tu.	6 25	5 58	6 25	5 58	4 55	9 35
6 24	5 59	5 37	7 9	8	Th.	6 23	5 59	6 23	5 59	5 39	10 12
6 22	6 0	rises.	7 59	9	Fr.	6 21	6 0	6 21	6 0	6 14	11 52
6 19	6 2	8 29	9 37	10	Sa.	6 18	6 2	6 18	6 2	7 14	11 52
6 17	6 3	9 40	10 22	11	Fr.	6 16	6 3	6 16	6 3	8 30	12 26
6 16	6 4	10 19	11 11	12	Sa.	6 13	6 3	6 13	6 3	9 42	1 5
6 14	6 5	11 54	12 11	13	Mo.	6 10	6 4	6 10	6 4	10 52	2 16
6 12	6 6	morn.	1 0	14	Tu.	6 8	6 5	6 8	6 5	11 58	3 6
6 11	6 8	53	1 57	15	Th.	6 6	6 6	6 6	6 6	morn.	4 1
6 9	6 9	1 50	2 58	16	Fr.	6 5	6 6	6 5	6 6	1 54	6 59
6 7	6 10	2 40	4 1	17	Sa.	6 4	6 7	6 4	6 7	2 44	7 4
6 6	6 11	3 24	5 50	18	Fr.	6 3	6 8	6 3	6 8	3 11	8 1
6 6	6 12	4 3	6 50	19	Sa.	6 2	6 12	6 2	6 12	4 8	8 53
6 4	6 13	4 38	7 37	20	Mo.	6 1	6 13	6 1	6 13	4 41	9 39
6 3	6 14	5 11	7 18	21	Tu.	6 0	6 14	6 0	6 14	5 13	10 21
6 1	6 15	5 38	8 29	22	Th.	5 59	6 15	5 59	6 15	5 40	10 59
5 59	6 16	sets.	8 29	23	Fr.	5 57	6 16	5 57	6 16	sets.	11 34
5 56	6 17	7 20	9 7	24	Sa.	5 55	6 17	5 55	6 17	7 21	morn.
5 54	6 18	8 17	9 46	25	Mo.	5 53	6 18	5 53	6 18	8 18	8
5 52	6 19	9 14	10 22	26	Th.	5 52	6 19	5 52	6 19	9 16	4 7
5 51	6 20	10 11	10 59	27	Fr.	5 50	6 20	5 50	6 20	10 14	1 25
5 49	6 21	11 9	11 44	28	Sa.	5 48	6 21	5 48	6 21	11 12	2 4
5 47	6 22	morn.	morn.	29	Mo.	5 46	6 22	5 46	6 22	morn.	2 47
5 45	6 23	5	84	30	Th.	5 44	6 23	5 44	6 23	9	3 36



The Merchant of Venice.

PORTIA. Therefore prepare thee to cut off the flesh.
Shed thou no blood; nor cut thou less, nor more,
But just a pound of flesh: if thou takest more
Or less, than just a pound,— * * Act IV., Scene I.

† APRIL * 1887. †

MOON'S PHASES.				EASTERN DIV.		CENTRAL DIV.	
First Quarter....	1 d.	8 h.	53 m.	7 h.	53 m.		
Full Moon.....	8 d.	0 h.	39 m.	7 11 h.	39 m.		
Last Quarter.....	14 d.	11 h.	4 m.	10 h.	4 m.		
New Moon.....	23 d.	3 h.	53 m.	2 h.	53 m.		
First Quarter....	30 d.	5 h.	29 m.	5 h.	29 m.		

• New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.				D. OF MO.		D. OF WK.		Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
Mean time.	Mean time.	Mean time.	Stan. time.	Sun rises.	Sun sets.	Mean time.	Mean time.	Sun rises.	Sun sets.	Mean time.	Stan. time.
5 43	6 23	1	1 43	1	Fr.	5 44	6 24	1	1	5 44	6 23
5 42	6 26	1 53	2 34	2	Sa.	5 41	6 27	1 57	5 36	5 41	6 27
5 41	6 27	2 42	3 43	3	Mo.	5 40	6 28	2 46	6 44	5 40	6 28
5 39	6 28	3 27	4 48	4	Tu.	5 38	6 29	3 30	7 52	5 38	6 29
5 37	6 29	4 10	5 50	5	Th.	5 36	6 30	4 12	8 53	5 36	6 30
5 36	6 30	4 49	6 47	6	Fr.	5 35	6 31	4 40	9 48	5 35	6 31
5 34	6 31	rises.	7 37	7	Sa.	5 33	6 32	rises.	10 42	5 33	6 32
5 33	6 32	7 14	8 24	8	Mo.	5 31	6 33	7 16	11 30	5 31	6 33
5 31	6 33	8 26	9 15	9	Th.	5 30	6 34	8 29	ev. 16	5 30	6 34
5 30	6 34	9 36	10 2	10	Fr.	5 28	6 35	9 40	1 53	5 28	6 35
5 28	6 35	10 41	10 47	11	Sa.	5 26	6 37	10 45	2 43	5 26	6 37
5 26	6 36	11 41	11 39	12	Mo.	5 25	6 38	11 45	3 36	5 25	6 38
5 25	6 37	morn.	ev. 34	13	Th.	5 23	6 39	morn.	4 39	5 23	6 39
5 24	6 38	35	1 33	14	Fr.	5 21	6 40	39	4 34	5 21	6 40
5 22	6 39	1 22	2 30	15	Sa.	5 20	6 41	1 26	5 32	5 20	6 41
5 20	6 40	2 4	3 28	16	Mo.	5 18	6 42	2 48	6 40	5 18	6 42
5 19	6 41	2 40	4 23	17	Th.	5 16	6 43	2 48	7 30	5 16	6 43
5 17	6 42	3 13	5 14	18	Fr.	5 15	6 45	3 15	8 17	5 15	6 45
5 16	6 43	3 43	6 1	19	Sa.	5 13	6 46	3 45	9 8	5 13	6 46
5 14	6 44	4 11	6 43	20	Mo.	5 12	6 47	4 12	9 42	5 12	6 47
5 13	6 45	4 39	7 22	21	Th.	5 10	6 48	4 39	10 26	5 10	6 48
5 11	6 46	5 8	8 58	22	Fr.	5 9	6 49	5 7	11 4	5 9	6 49
5 10	6 47	sets.	8 36	23	Sa.	5 7	6 50	sets.	11 41	5 7	6 50
5 8	6 48	8 6	9 17	24	Mo.	5 6	6 51	8 9	morn.	5 6	6 51
5 7	6 49	9 5	9 56	25	Th.	5 4	6 52	9 9	18	5 4	6 52
5 6	6 50	10 9	10 36	26	Fr.	5 3	6 53	10 5	58	5 3	6 53
5 4	6 51	10 57	11 23	27	Sa.	5 0	6 56	11 54	2 29	5 0	6 56
5 3	6 52	11 50	morn.	28	Mo.	4 58	6 57	morn.	3 16	4 58	6 57
5 2	6 53	morn.	16	29	Th.	4 57	6 58	43	4 14	4 57	6 58
5 0	6 55	39	1 13	30	Fr.						



Tempest.

PROSPERO. Go make thyself like to the nymph o' the sea;
Be subject to no sight but mine, invisible
To every eyeball else. Go, take this shape,
And hither come in 't: hence, with diligence.

Act I., Scene II.

† MAY *1887. †

MOON'S PHASES.		EASTERN DIV.		CENTRAL DIV.	
Full Moon.....	7 d.	9 h.	1 m.	8 h.	1 m.
Last Quarter....	14 d.	3 h.	17 m.	2 h.	17 m.
New Moon.....	22 d.	6 h.	5 m.	5 h.	5 m.
First Quarter....	30 d.	0 h.	19 m.	29 11 h.	19 m.

New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.	Sun sets.	Moon sets.	H.W. N. Y.	D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.	H.W. Bost.
Mean time.	Mean time.	Mean time.	Mean time.			Mean time.	Mean time.
4 59	6 56	1 25	2 15	1	S.	4 56	7 0
4 58	6 57	2 6	3 21	2	Mo.	4 54	7 1
4 56	6 58	2 24	4 24	3	Tu.	4 53	7 2
4 55	6 59	3 22	5 27	4	We.	4 52	7 3
4 54	7 0	3 59	6 27	5	Th.	4 51	7 4
4 53	7 1	4 35	7 15	6	Fr.	4 49	7 5
4 52	7 2	risers.	8 2	7	Sa.	4 47	7 6
4 51	7 3	8 22	8 51	8	Mo.	4 46	7 7
4 49	7 4	9 26	9 42	9	Tu.	4 44	7 8
4 48	7 5	10 19	10 28	10	We.	4 43	7 9
4 47	7 6	11 16	11 15	11	Th.	4 42	7 10
4 46	7 7	morn.	ev. 8	12	Fr.	4 41	7 11
4 45	7 8	1	1	13	Sa.	4 40	7 12
4 44	7 9	1	1	14	Mo.	4 39	7 13
4 43	7 10	1 15	2 15	15	Tu.	4 38	7 14
4 42	7 11	1 45	3 41	16	We.	4 37	7 15
4 41	7 12	2 13	4 31	17	Th.	4 36	7 16
4 40	7 13	2 43	5 19	18	Fr.	4 35	7 17
4 39	7 14	3 9	6 48	19	Sa.	4 34	7 18
4 38	7 15	3 40	6 48	20	Mo.	4 33	7 19
4 37	7 16	4 12	7 30	21	Tu.	4 32	7 20
4 36	7 17	4 46	8 9	22	We.	4 31	7 21
4 35	7 18	sets.	8 51	23	Th.	4 30	7 22
4 34	7 19	8 53	9 27	24	Fr.	4 29	7 23
4 33	7 20	9 49	10 23	25	Sa.	4 28	7 24
4 32	7 21	10 29	11 9	26	Mo.	4 27	7 25
4 31	7 22	11 21	morn.	27	Tu.	4 26	7 26
4 30	7 23	11 28	morn.	28	We.	4 25	7 27
4 29	7 24	1 23	1 56	29	Th.	4 24	7 28
4 28	7 25	1 23	2 57	30	Fr.	4 23	7 29
4 27	7 26	1 23	3 57		Sa.	4 22	7 30
4 26	7 27	1 23	4 57		Mo.	4 21	7 31
4 25	7 28	1 23	5 57		Tu.	4 20	7 32
4 24	7 29	1 23	6 57		We.	4 19	7 33
4 23	7 30	1 23	7 57		Th.	4 18	7 34
4 22	7 31	1 23	8 57		Fr.	4 17	7 35
4 21	7 32	1 23	9 57		Sa.	4 16	7 36
4 20	7 33	1 23	10 57		Mo.	4 15	7 37
4 19	7 34	1 23	11 57		Tu.	4 14	7 38
4 18	7 35	1 23	12 57		We.	4 13	7 39
4 17	7 36	1 23	1 58		Th.	4 12	7 40
4 16	7 37	1 23	2 58		Fr.	4 11	7 41
4 15	7 38	1 23	3 58		Sa.	4 10	7 42
4 14	7 39	1 23	4 58		Mo.	4 9	7 43
4 13	7 40	1 23	5 58		Tu.	4 8	7 44
4 12	7 41	1 23	6 58		We.	4 7	7 45
4 11	7 42	1 23	7 58		Th.	4 6	7 46
4 10	7 43	1 23	8 58		Fr.	4 5	7 47
4 9	7 44	1 23	9 58		Sa.	4 4	7 48
4 8	7 45	1 23	10 58		Mo.	4 3	7 49
4 7	7 46	1 23	11 58		Tu.	4 2	7 50
4 6	7 47	1 23	12 58		We.	4 1	7 51
4 5	7 48	1 23	1 59		Th.	4 0	7 52
4 4	7 49	1 23	2 59		Fr.	3 59	7 53
4 3	7 50	1 23	3 59		Sa.	3 58	7 54
4 2	7 51	1 23	4 59		Mo.	3 57	7 55
4 1	7 52	1 23	5 59		Tu.	3 56	7 56



As You Like It.

ROSALIND. Well, this is the forest of Arden.
TOUCHSTONE. Ay, now am I in Arden: the more fool I;
when I was at home, I was in a better place; but
travelers must be content.

Act II., Scene IV.

† JULY *1887. †

MOON'S PHASES.		EASTERN DIV.		CENTRAL DIV.	
Full Moon	5 d.	3 h. 34 m.	2 h. 34 m.		
Last Quarter	13 d.	1 h. 57 m.	0 h. 57 m.		
New Moon	20 d.	3 h. 50 m.	2 h. 50 m.		
First Quarter	27 d.	9 h. 30 m.	8 h. 30 m.		

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.		D. OF WK.		Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
Sun rises.	Sun sets.	Moon sets.	H. W. N. Y.	D.	O.	Sun rises.	Sun sets.	Moon sets.	H. W. N. Y.	Sun rises.	Sun sets.
Mean time.	Mean time.	Mean time.	Stan. time.			Mean time.	Mean time.	Mean time.	Stan. time.	Mean time.	Mean time.
4 32 7 35	1 47	4 39	1	Fr.	4 26 7 40	1 44	7 42				
4 32 7 35	2 27	5 40	2	Fr.	4 26 7 40	2 24	8 43				
4 33 7 34	3 13	6 37	3	Sa.	4 27 7 40	3 9	9 39				
4 33 7 34	4 12	7 28	4	Mo.	4 28 7 40	4 7	10 32				
4 34 7 34	5 1	8 12	5	Tu.	4 29 7 39	ris.	11 18				
4 35 7 34	6 1	9 2	6	We.	4 29 7 39	ris.	12 18				
4 35 7 33	7 1	9 46	7	Th.	4 30 7 39	8 36	ev. 4				
4 36 7 33	8 1	10 27	8	Fr.	4 30 7 39	9 16	31				
4 37 7 32	9 1	11 11	9	Sa.	4 31 7 38	10 20	2 12				
4 38 7 32	10 1	12 0	10	Sa.	4 32 7 38	10 48	2 52				
4 39 7 31	11 1	12 49	11	Mo.	4 33 7 37	11 15	3 34				
4 40 7 30	12 1	1 40	12	Tu.	4 32 7 37	11 41	4 19				
4 41 7 30	1 1	2 55	13	We.	4 33 7 36	morn.	5 8				
4 42 7 29	2 1	4 13	14	Th.	4 35 7 35	9	5 57				
4 43 7 29	3 1	5 41	15	Fr.	4 36 7 34	11 4	6 51				
4 44 7 28	4 1	7 10	16	Sa.	4 37 7 34	1 52	8 44				
4 45 7 28	5 1	8 36	17	Mo.	4 38 7 33	2 28	9 38				
4 46 7 27	6 1	10 0	18	Tu.	4 39 7 32	3 30	10 31				
4 47 7 26	7 1	11 13	19	We.	4 40 7 31	4 29	11 19				
4 48 7 25	8 1	12 28	20	Th.	4 41 7 30	sets.	morn.				
4 49 7 24	9 1	1 43	21	Fr.	4 42 7 29	9 28	8 56				
4 50 7 23	10 1	3 0	22	Sa.	4 43 7 29	10 56	9 56				
4 51 7 22	11 1	4 19	23	Mo.	4 44 7 28	10 4	1 44				
4 52 7 21	12 1	5 41	24	Tu.	4 45 7 27	10 38	2 31				
4 53 7 20	1 1	7 0	25	We.	4 46 7 26	11 12	3 21				
4 54 7 19	2 1	8 19	26	Th.	4 47 7 25	11 46	4 15				
4 55 7 18	3 1	9 40	27	Fr.	4 48 7 24	morn.	5 14				
4 56 7 17	4 1	11 0	28	Sa.	4 49 7 23	25	6 16				
4 57 7 16	5 1	12 22	29	Mo.	4 50 7 22	1	7 2				
			30	We.	4 51 7 21	1 52	8 23				



Hamlet.

HAMLET. Alas, poor Yorick!—I knew him, Horatio; a
fellow of infinite jest, of most excellent fancy: he hath
borne me on his back a thousand times! and now, how
abhorred in my imagination it is! my gorge rises at it.

Act V., Scene I.

† AUGUST *1887. †

MOON'S PHASES.		EASTERN DIV.		CENTRAL DIV.	
Full Moon	3 d.	3 h. 40 m.	2 h. 40 m.		
Last Quarter	11 d.	6 h. 36 m.	5 h. 36 m.		
New Moon	19 d.	0 h. 38 m.	10 11 h. 38 m.		
First Quarter	25 d.	3 h. 21 m.	2 h. 21 m.		

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.		D. OF WK.		Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
Sun rises.	Sun sets.	Moon sets.	H. W. N. Y.	D.	O.	Sun rises.	Sun sets.	Moon sets.	H. W. N. Y.	Sun rises.	Sun sets.
Mean time.	Mean time.	Mean time.	Stan. time.			Mean time.	Mean time.	Mean time.	Stan. time.	Mean time.	Mean time.
4 56 7 16	2 49	6 20	1	Mo.	4 52 7 20	2 45	9 22				
4 57 7 16	3 17	7 10	2	Tu.	4 53 7 18	3 40	10 13				
4 58 7 15	ris.	7 55	3	We.	4 54 7 17	ris.	11 1				
4 59 7 15	7 45	8 39	4	Th.	4 55 7 16	7 48	11 44				
5 0 7 14	8 18	9 19	5	Fr.	4 56 7 15	8 20	ev. 21				
5 1 7 13	9 10	9 58	6	Sa.	4 57 7 14	8 48	1				
5 2 7 12	10 0	10 39	7	Mo.	4 58 7 13	9 15	2 17				
5 3 7 11	10 43	11 22	8	Tu.	4 59 7 11	9 42	2 54				
5 4 7 10	11 51	12 0	9	We.	5 0 7 10	10 11	3 26				
5 5 7 9	12 4	ev. 34	10	Th.	5 1 7 8	10 39	3 54				
5 6 7 8	1 14	1 21	11	Fr.	5 2 7 7	11 11	4 22				
5 7 7 7	2 11	2 12	12	Sa.	5 3 7 6	11 47	5 14				
5 8 7 6	3 1	morn.	13	Mo.	5 4 7 4	morn.	6 11				
5 9 7 5	4 0	3 3	14	Tu.	5 5 7 3	28	7 11				
5 10 6 58	12 5	12 15	15	We.	5 6 7 1	1 17	8 15				
5 11 6 57	2 15	6 12	16	Th.	5 7 7 0	2 11	9 14				
5 12 6 55	3 17	7 9	17	Fr.	5 8 6 58	3 13	10 10				
5 13 6 54	4 21	7 57	18	Sa.	5 10 6 57	4 21	11 8				
5 14 6 53	sets.	8 47	19	Mo.	5 11 6 55	sets.	11 50				
5 15 6 51	7 58	9 35	20	Tu.	5 12 6 54	7 59	morn.				
5 16 6 50	8 39	10 22	21	We.	5 13 6 52	8 39	36				
5 17 6 48	9 13	11 6	22	Th.	5 14 6 51	9 12	1 23				
5 18 6 47	9 50	11 58	23	Fr.	5 15 6 49	9 48	2 11				
5 19 6 45	10 28	morn.	24	Sa.	5 16 6 48	10 26	3 1				
5 20 6 44	11 10	52	25	Mo.	5 17 6 46	11 6	3 53				
5 21 6 42	11 55	1 52	26	Tu.	5 18 6 44	11 51	4 54				
5 22 6 39	12 25	2 55	27	We.	5 19 6 42	morn.	5 57				
5 23 6 37	1 3	3 55	28	Th.	5 20 6 41	3 1	6 58				
5 24 6 35	1 39	5 1	29	Fr.	5 21 6 39	1 34	8 0				
5 25 6 34	2 36	5 59	30	Sa.	5 22 6 38	2 31	9 1				
5 26 6 34	3 33	6 49	31	Mo.	5 23 6 36	3 30	9 51				



② thelio.

OTHELLO. The story of my life. * * * These things to hear
Would Desdemona seriously incline: * * *
She wish'd she had not heard it; yet she wish'd
That heaven had made her such a man.

Act I., Scene III.

† SEPTEMBER † 1887. †

MOON'S PHASES.		EASTERN DIV.		CENTRAL DIV.	
Full Moon.....	2 d.	6 h.	12 m.	5 h.	12 m.
Last Quarter.....	10 d.	10 h.	3 m.	9 h.	3 m.
New Moon.....	17 d.	9 h.	0 m.	8 h.	0 m.
First Quarter.....	24 d.	0 h.	4 m.	23 11 h.	4 m.

New-York City,
Phila., Conn., New Jersey
Penn., O., Ind., & Ill.

Towa, and Oregon.									
Sun. rises.	Sun. sets.	Moon. rises.	H. W. Bost.	at	place	Sun. rises.	Sun. sets.	Moon. rises.	H. W. Bost.
Mean time.	Mean time.	Mean time.	Stan. time.			Mean time.	Mean time.	Mean time.	Stan. time.
5 26	6 33	4 32	7 34	1	Th.	5 24	6 31	4 30	7 32
5 26	6 31	4 31	8 11	2	Fr.	5 26	6 33	rises.	11 30
5 25	6 30	4 30	8 51	3	Sa.	5 27	6 31	7 18	11 53
5 25	6 28	4 28	9 10	4	Su.	5 29	6 29	7 47	ev. 29
5 25	6 26	4 14	10 3	5	Mo.	5 30	6 28	8 13	12 1
5 25	6 25	4 13	10 36	6	Tu.	5 30	6 26	8 4	12 19
5 25	6 23	4 13	11 13	7	We.	5 31	6 24	9 11	2 1
5 25	6 21	4 12	11 57	8	Th.	5 32	6 22	9 46	3 3
5 25	6 19	4 11	12 40	9	Fr.	5 33	6 20	10 23	4 38
5 25	6 17	4 10	13 23	10	Sa.	5 34	6 18	11 0	5 43
5 25	6 16	morn.	2 35	11	Su.	5 35	6 17	11 57	6 49
5 25	6 15	1 30	3 10	12	Mo.	5 36	6 15	rises.	6 43
5 25	6 11	2 8	4 43	13	Tu.	5 37	6 14	5 4	7 46
5 25	6 10	3 10	5 44	14	We.	5 38	6 13	5 59	8 51
5 25	6 8	4 21	7 36	15	Th.	5 39	6 10	6 4	10 1
5 25	6 7	5 1	8 18	16	Fr.	5 40	6 8	6 49	10 11
5 25	6 4	6 7	9 24	17	Sa.	5 41	6 5	sets.	11 30
5 25	6 4	7 7	10 16	18	Su.	5 43	6 5	7 43	12 1
5 25	6 4	7 45	10 1	19	Mo.	5 44	6 5	8 37	1 15
5 25	6 1	8 24	10 45	20	Tu.	5 45	6 1	9 25	2 1
5 25	6 1	9 11	11 37	21	We.	5 46	6 0	9 2	2 15
5 25	6 1	9 53	12 32	22	Th.	5 47	5 58	9 47	2 41
5 25	5 56	10 46	1 33	23	Fr.	5 48	5 59	10 36	3 35
5 25	5 55	11 34	1 34	24	Sa.	5 49	5 59	11 25	4 30
5 25	5 53	morn.	2 35	25	Su.	5 50	5 53	morn.	5 25
5 25	5 50	1 19	3 29	26	Mo.	5 51	5 54	26	6 42
5 25	5 48	2 26	5 33	27	Tu.	5 52	5 49	1 25	7 47
5 25	5 46	3 23	6 21	28	We.	5 53	5 48	2 18	8 36
5 25	5 44	4 22	7 5	29	Th.	5 54	5 47	3 11	9 29
			5 30	30	Fr.	5 56	5 44	4 21	10 29



Timon of Athens.

TIMON. Soft, take thy physic first,—thou too,— and thou :
Stay, I will lend thee money, borrow none,
What all in motion ? Henceforth be no feast,
Whereat a villain's not a welcome guest.

Act III., Scene VI.

✦ OCTOBER ✦ 1887. ✦

MOON'S PHASES.		EASTERN DIV.	CENTRAL DIV.
Full Moon.....	1 d.	10 h. 47 m.	9 h. 47 m.
Last Quarter.....	9 d.	11 h. 57 m.	10 h. 57 m.
New Moon.....	16 d.	5 h. 35 m.	4 h. 35 m.
First Quarter.....	23 d.	0 h. 46 m.	22 11 h. 46 m.
Full Moon.....	31 d.	4 h. 31 m.	3 h. 31 m.

New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun. rises.	Sun. sets.	Moon sets.	H.W. N. Y.	P. D.	Sun. rises.	Sun. sets.	Moon H. W. sets.	H. W. Stan. time.
Mean time.	Mean time.	Mean time.	Stan. time.		Mean time.	Mean time.	Mean time.	Stan. time.
5 56	5 43	5 18	7 41	1 2	5 57	5 42	5 17	7 46
5 57	5 44	5 19	7 42	1 3	5 58	5 43	5 18	7 47
5 58	5 45	5 20	7 43	1 4	5 59	5 44	5 19	7 48
5 59	5 46	5 21	7 44	1 5	6 0	5 45	5 20	7 49
6 0	5 47	5 22	7 45	2 0	Tu.	6 0	5 37	7 12 ev.
6 1	5 48	5 23	7 46	2 1	We	6 1	5 35	7 44 1 10
6 2	5 49	5 24	7 47	2 2	Th	6 2	5 33	8 20 1 30
6 3	5 50	5 25	7 48	2 3	Fr.	6 3	5 31	8 29 1 50
6 4	5 51	5 26	7 49	2 4	Sa.	6 4	5 29	9 46 3 10
6 5	5 52	5 27	7 50	2 5	Mo.	6 5	5 28	10 41 4 10
6 6	5 53	5 28	7 51	3 0	Mo.	6 6	5 27	11 39 5 10
6 7	5 54	5 29	7 52	3 1	Tu.	6 7	5 26	morn. 5 45
6 8	5 55	5 30	7 53	3 2	We	6 8	5 25	4 3 7 22
6 9	5 56	5 31	7 54	3 3	Th	6 9	5 22	1 53 8 26
6 10	5 57	5 32	7 55	3 4	Fr.	6 10	5 20	3 6 9 23
6 11	5 58	5 33	7 56	3 5	Fr.	6 11	5 19	4 6 10 36
6 12	5 59	5 34	7 57	4 0	Sa.	6 12	5 17	5 53 11 5
6 13	6 0	5 35	7 58	4 1	Mo.	6 13	5 15	sets. 11 54
6 14	6 1	5 36	7 59	4 2	Tu.	6 14	5 15	6 52 morn.
6 15	6 2	5 37	8 0	4 3	We	6 15	5 14	7 36 2 42
6 16	6 3	5 38	8 1	4 4	Th	6 16	5 12	8 18 3 42
6 17	6 4	5 39	8 2	4 5	Fr.	6 17	5 11	9 26 4 22
6 18	6 5	5 40	8 3	4 6	Sa.	6 18	5 10	10 28 5 13
6 19	6 6	5 41	8 4	4 7	Mo.	6 19	5 8	10 17 5 16
6 20	6 7	5 42	8 5	4 8	Sa.	6 20	5 7	11 16 5 43
6 21	6 8	5 43	8 6	4 9	Tu.	6 21	5 6	morn. 5 18
6 22	6 9	5 44	8 7	5 0	We	6 22	5 5	6 53 7 3
6 23	6 10	5 45	8 8	5 1	Th	6 23	5 5	1 15 7 8
6 24	6 11	5 46	8 9	5 2	Fr.	6 24	5 4	1 24 8 8
6 25	6 12	5 47	8 10	5 3	Fr.	6 25	4 59	2 13 8 48
6 26	6 13	5 48	8 11	5 4	Sa.	6 26	4 57	3 2 9 13
6 27	6 14	5 49	8 12	5 5	Mo.	6 27	4 55	5 5 10 11
6 28	6 15	5 50	8 13	6 0	Sa.	6 28	4 55	5 5 10 11
6 29	6 16	5 51	8 14	6 1	Mo.	6 29	4 55	riser. 10 11



Antony and Cleopatra.

CÆSAR.

Bravest at the last!

* * * * She looks like sleep,
As she would catch another Antony
In her strong toil of grace.

Act V., Scene II.

† NOVEMBER *1887. †

MOON'S PHASES.

Last Quarter	9 d.
New Moon	15 d.
First Quarter	22 d.
Full Moon	30 d.

EASTERN DIV.

o h.	2 m.
3 h.	8 m.
5 h.	43 m.
10 h.	20 m.

CENTRAL DIV.

8 11 h.	2 m.
2 h.	8 m.
4 h.	43 m.
9 h.	20 m.

New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.	Sun sets.	Moon rises.	H.W. N. Y.	D. OF MO.	D. OF WK.
Mean time.	Mean time.	Mean time.	Mean time.		
6 30	4 57	5 48	8 21	1	Tu.
6 31	4 56	6 24	9 1	2	We.
6 32	4 54	7 13	9 42	3	Th.
6 34	4 53	7 48	10 23	4	Fr.
6 35	4 52	8 38	11 5	5	Sa.
6 36	4 51	9 25	11 55	6	Su.
6 37	4 50	10 36	ev. 48	7	Mo.
6 38	4 49	11 40	1 46	8	Tu.
6 40	4 48	morn.	2 49	9	We.
6 41	4 47	1 56	3 51	10	Th.
6 42	4 46	3 7	5 23	11	Fr.
6 43	4 45	3 7	6 18	12	Sa.
6 44	4 44	4 21	6 48	13	Su.
6 46	4 43	5 35	7 39	14	Mo.
6 47	4 42	6 15	8 27	15	Tu.
6 48	4 41	7 10	9 19	16	We.
6 49	4 40	7 9	10 9	17	Th.
6 50	4 39	8 10	10 59	18	Fr.
6 51	4 39	9 6	11 51	19	Sa.
6 53	4 38	10 7	morn.	20	Su.
6 54	4 38	11 8	1 8	21	Mo.
6 55	4 37	morn.	1 38	22	Tu.
6 56	4 36	1 7	2 31	23	We.
6 57	4 35	2 2	3 24	24	Th.
6 58	4 35	2 2	4 15	25	Fr.
6 59	4 35	2 56	5 1	26	Sa.
7 0	4 35	3 53	5 48	27	Su.
7 1	4 34	4 40	6 33	28	Mo.
7 2	4 34	5 46	7 14	29	Tu.
7 3	4 34	6 34	7 53	30	We.

Boston, New England,
New-York, Mich., Wis.,
Iowa, and Oregon.

Sun rises.	Sun sets.	Moon rises.	H.W. Bost.		
Mean time.	Mean time.	Mean time.	Mean time.		
6 33	4 54	5 46	11 27		
6 34	4 53	6 21	ev. 3		
6 36	4 50	7 43	1 20		
6 37	4 49	8 34	2 10		
6 38	4 48	9 30	2 57		
6 41	4 45	10 32	3 40		
6 42	4 44	11 37	4 40		
6 43	4 43	45	6 54		
6 46	4 42	1 54	7 57		
6 47	4 41	3 7	8 56		
6 48	4 40	4 25	9 50		
6 49	4 39	5 37	10 44		
6 51	4 38	sets.	11 32		
6 52	4 38	6 11	morn.		
6 53	4 37	7 4	1 12		
6 54	4 36	8 2	2 5		
6 57	4 34	10 3	2 54		
6 58	4 34	11 5	3 45		
6 59	4 32	11 5	4 39		
7 0	4 32	1 4	5 33		
7 1	4 32	2 1	6 18		
7 2	4 31	2 57	7 8		
7 3	4 31	3 52	8 51		
7 4	4 30	4 52	9 39		
7 5	4 30	5 49	10 17		
7 7	4 29	rises.	10 59		



Romeo and Juliet.

FRIAR. Alack, alack, what blood is this, which stains
The stony entrance of this sepulchre?—
What mean these masterless and gory swords
To lie discolour'd by this place of peace.

Act V., Scene III.

† DECEMBER *1887. †

MOON'S PHASES.

Last Quarter	7 d.
New Moon	14 d.
First Quarter	22 d.
Full Moon	30 d.

EASTERN DIV.

10 h.	18 m.
2 h.	21 m.
2 h.	10 m.
3 h.	22 m.

CENTRAL DIV.

9 h.	18 m.
1 h.	21 m.
2 h.	10 m.
2 h.	22 m.

New-York City,
Phila., Conn., New Jersey,
Penn., O., Ind., & Ill.

Sun rises.	Sun sets.	Moon rises.	H.W. N. Y.	D. OF MO.	D. OF WK.
Mean time.	Mean time.	Mean time.	Mean time.		
7 5	4 34	5 45	8 36	1	Th.
7 6	4 33	6 34	9 19	2	Fr.
7 7	4 33	7 29	10 5	3	Sa.
7 8	4 33	8 28	10 47	4	Su.
7 9	4 32	9 31	11 37	5	Mo.
7 10	4 32	10 36	ev. 29	6	Tu.
7 11	4 32	11 42	1 25	7	We.
7 12	4 32	morn.	2 22	8	Th.
7 13	4 32	50	3 25	9	Fr.
7 14	4 32	2 1	4 26	10	Sa.
7 15	4 32	3 11	5 28	11	Su.
7 16	4 32	4 23	6 26	12	Mo.
7 17	4 33	5 35	7 20	13	Tu.
7 18	4 33	6 45	8 10	14	We.
7 19	4 33	sets.	9 2	15	Th.
7 18	4 33	6 47	9 52	16	Fr.
7 18	4 33	7 50	10 36	17	Sa.
7 19	4 34	8 52	11 23	18	Su.
7 20	4 34	9 53	morn.	19	Mo.
7 20	4 35	10 53	1 1	20	Tu.
7 21	4 35	11 50	1 0	21	We.
7 21	4 36	morn.	1 46	22	Th.
7 22	4 37	46	2 33	23	Fr.
7 22	4 37	1 43	3 26	24	Sa.
7 23	4 38	2 39	4 17	25	Su.
7 23	4 39	3 36	5 1	26	Mo.
7 23	4 39	4 34	5 56	27	Tu.
7 23	4 40	5 31	6 44	28	We.
7 24	4 40	6 28	7 31	29	Th.
7 24	4 41	rises.	8 12	30	Fr.
7 24	4 42	6 20	9 2	31	Sa.

Boston, New England,
New-York, Mich., Wis.,
Iowa, and Oregon.

Sun rises.	Sun sets.	Moon rises.	H.W. Bost.		
Mean time.	Mean time.	Mean time.	Mean time.		
7 10	4 29	5 42	11 41		
7 11	4 29	6 29	ev. 21		
7 12	4 28	7 24	1 1		
7 13	4 28	8 24	1 53		
7 14	4 28	9 28	2 41		
7 15	4 28	10 33	3 31		
7 16	4 28	11 41	4 26		
7 17	4 28	morn.	5 24		
7 18	4 28	1 7	6 27		
7 19	4 28	2 1	7 31		
7 20	4 28	3 12	8 31		
7 21	4 28	4 25	9 28		
7 22	4 28	5 39	10 23		
7 23	4 28	6 49	11 15		
7 24	4 29	sets.	morn.		
7 24	4 29	7 46	5 4		
7 24	4 29	8 48	1 42		
7 25	4 30	9 51	2 29		
7 26	4 30	10 52	3 14		
7 26	4 31	11 49	4 1		
7 26	4 31	morn.	4 49		
7 27	4 32	46	5 37		
7 27	4 32	1 44	6 28		
7 28	4 33	2 41	7 20		
7 28	4 33	3 39	8 10		
7 28	4 34	4 37	8 58		
7 29	4 35	5 35	9 46		
7 29	4 36	6 32	10 35		
7 29	4 37	rises.	11 18		
7 30	4 37	6 16	ev. 4		

INTEREST
TABLE



INTEREST TABLES.
FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	5	45
8 "	0	0	0	0	0	0	0	0	0	0	10	89
12 "	0	0	0	0	0	0	0	0	0	0	15	1.34
16 "	0	0	0	0	0	0	0	0	0	0	20	1.78
20 "	0	0	0	0	0	0	0	0	0	0	25	2.22
24 "	0	0	0	0	0	0	0	0	0	0	30	2.67
28 "	0	0	0	0	0	0	0	0	0	0	35	3.11
1 MO.	0	0	0	0	0	0	0	0	0	0	40	3.56
2 "	0	0	0	0	0	0	0	0	0	0	45	4.00
3 "	0	0	0	0	0	0	0	0	0	0	50	4.44
4 "	0	0	0	0	0	0	0	0	0	0	55	4.89
1 YR.	4	8	12	16	20	24	28	32	36	40	400	4000

FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	6	56
8 "	0	0	0	0	0	0	0	0	0	0	11	1.11
12 "	0	0	0	0	0	0	0	0	0	0	17	1.67
16 "	0	0	0	0	0	0	0	0	0	0	22	2.22
20 "	0	0	0	0	0	0	0	0	0	0	28	2.88
24 "	0	0	0	0	0	0	0	0	0	0	34	3.34
28 "	0	0	0	0	0	0	0	0	0	0	39	3.99
1 MO.	0	0	0	0	0	0	0	0	0	0	44	4.44
2 "	0	0	0	0	0	0	0	0	0	0	49	4.99
3 "	0	0	0	0	0	0	0	0	0	0	54	5.54
4 "	0	0	0	0	0	0	0	0	0	0	59	6.09
1 YR.	5	10	15	20	25	30	35	40	45	50	500	5000

SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	7	67
8 "	0	0	0	0	0	0	0	0	0	0	13	1.33
12 "	0	0	0	0	0	0	0	0	0	0	20	2.00
16 "	0	0	0	0	0	0	0	0	0	0	27	2.67
20 "	0	0	0	0	0	0	0	0	0	0	34	3.34
24 "	0	0	0	0	0	0	0	0	0	0	41	4.11
28 "	0	0	0	0	0	0	0	0	0	0	48	4.88
1 MO.	0	0	0	0	0	0	0	0	0	0	55	5.55
2 "	0	0	0	0	0	0	0	0	0	0	62	6.22
3 "	0	0	0	0	0	0	0	0	0	0	69	6.99
4 "	0	0	0	0	0	0	0	0	0	0	76	7.76
1 YR.	6	12	18	24	30	36	42	48	54	60	600	6000



TABLE OF WAGES BY THE WEEK.

Wages	Half hour.	One hour.	Two hours.	Four hours.	Five hours.	Six hours.	Eight hours.	Nine hours.	One day.	Two days.	Three days.	Four days.	Five days.	Six days.
\$3	.02 1/2	.05	.10	.20	.25	.30	.40	.45	.50	1.00	1.50	2.00	2.50	3.00
\$4	.03 1/3	.06 2/3	.13 1/3	.26 2/3	.33 1/3	.40	.53 1/3	.60	.66 2/3	1.33 1/3	2.00	2.66 2/3	3.33 1/3	4.00
\$5	.04	.08	.16	.32	.40	.50	.66 2/3	.80	.90	1.80	2.70	3.60	4.50	5.00
\$6	.05	.10	.20	.40	.50	.60	.80	.90	1.00	2.00	3.00	4.00	5.00	6.00
\$7	.05 1/2	.11	.22 1/2	.45	.56 1/2	.68	.90	1.05	1.16 2/3	2.33 1/3	3.50	4.66 2/3	5.83 1/3	7.00
\$8	.06	.12	.24	.48	.60	.72	.96	1.12	1.28	2.56	3.84	5.12	6.40	7.68
\$9	.06 1/2	.13 1/2	.27 1/2	.54	.67 1/2	.81	1.08	1.28	1.44	2.88	4.32	5.76	7.20	8.64
\$10	.07	.14	.28	.56	.70	.84	1.12	1.35	1.50	3.00	4.50	6.00	7.50	9.00
\$11	.07 1/2	.15 1/2	.31 1/2	.62 1/2	.78 1/2	.94	1.25	1.50	1.66 2/3	3.33 1/3	5.00	6.66 2/3	8.33 1/3	10.00
\$12	.08	.16	.32	.64	.80	.96	1.28	1.60	1.80	3.60	5.40	7.20	9.00	10.80
\$13	.08 1/2	.17 1/2	.35 1/2	.70 1/2	.87 1/2	1.04	1.38	1.65	1.83 1/3	3.66 2/3	5.50	7.33 1/3	9.16 2/3	11.00
\$14	.09	.18	.36	.72	.90	1.08	1.44	1.71	1.86 2/3	3.73 1/3	5.60	7.50	9.33 1/3	11.20
\$15	.09 1/2	.19 1/2	.39 1/2	.78 1/2	.96	1.14	1.52	1.80	2.00	4.00	6.00	8.00	10.00	12.00
\$16	.10	.20	.40	.80	.96	1.12	1.60	1.92	2.16	4.32	6.48	8.64	10.80	13.00
\$17	.10 1/2	.21 1/2	.43 1/2	.86 1/2	1.03 1/2	1.21	1.68	2.01	2.25	4.50	6.75	9.00	11.25	13.50
\$18	.11	.22	.44	.88	1.06	1.24	1.76	2.10	2.33 1/3	4.66 2/3	7.00	9.33 1/3	11.66 2/3	14.00
\$19	.11 1/2	.23 1/2	.47 1/2	.94 1/2	1.13 1/2	1.33	1.84	2.20	2.40	4.80	7.20	9.60	12.00	14.40
\$20	.12	.24	.48	.96	1.16	1.36	1.92	2.28	2.56	5.12	7.68	10.24	12.80	15.36
\$21	.12 1/2	.25 1/2	.50 1/2	1.00	1.20	1.40	2.00	2.40	2.66 2/3	5.33 1/3	8.00	10.66 2/3	13.33 1/3	16.00
\$22	.13	.26	.52	1.04	1.25	1.46	2.08	2.50	2.83 1/3	5.66 2/3	8.50	11.33 1/3	14.66 2/3	17.00
\$23	.13 1/2	.27 1/2	.54 1/2	1.08	1.30	1.50	2.16	2.60	2.90	5.80	8.70	11.60	14.50	17.40
\$24	.14	.28	.56	1.12	1.36	1.56	2.24	2.70	3.00	6.00	9.00	12.00	15.00	18.00

This Table is based upon the usual calculation of 10 hours to a day.

TABLE FOR FORETELLING THE WEATHER.

If the New Moon, First Quarter, Full Moon, or Last Quarter, happens

Between midnight and 2 o'clock.....
 " " 2 and 4 morning.....
 " " 4 and 6 ".....
 " " 6 and 8 ".....
 " " 8 and 10 ".....
 " " 10 and 12 ".....
 " " 12 and 2 afternoon.....
 " " 2 and 4 ".....
 " " 4 and 6 ".....
 " " 6 and 8 ".....
 " " 8 and 10 ".....
 " " 10 and midnight.....

IN SUMMER.

Fair.....
 Cold and showers.....
 Rain.....
 Wind and rain.....
 Cloudy.....
 Frequent showers.....
 Very rainy.....
 Changeable.....
 Fair.....
 Fair.....
 Fair.....
 Fair.....
 Fair.....
 Fair.....
 Fair.....

IN WINTER.

Frost, unless wind Southwest.
 Rain, and Stormy.
 Stormy.
 Cold rain if wind West, snow if East.
 Cold and high wind.
 Snow or rain.
 Fair and mild.
 Fair.
 Fair and frosty if wind N. or N. E.
 Rain or snow if South or Southwest.
 Fair and frosty.

OBSERVATIONS.—1. The nearer the time of the Moon's change, first quarter, full, and last quarter are to *midnight*, the fairer will be the weather during the next seven days. 2. The space for this calculation occupies ten days at night till two next morning. 3. The space for this calculation occupies ten days from four till four in the forenoon to *midday* or *noon* the phases of the moon happen, the weather affects the weather for the next seven days. 4. The space for this calculation occupies ten days from four till four in the forenoon nearly in the same ratio. 5. The Moon's quarter principally to the Summer, though but this is mostly dependent on the season of the year. 6. The Moon's quarter, full, and last quarter, happening during the afternoon hours, *i. e.*, from four to ten, may be foretold the weather; irregular causes, is more uncertain in the latter part of the year. 7. To prognosticate correctly, especially in those cases where the *wind* is concerned, the observer should be within sight of a good *vane* where the four cardinal points of the heavens are correctly placed.



WEIGHTS AND MEASURES.

MEASURES OF WEIGHT.—*Avoirdupois*: 16 drams equal 1 ounce; 16 ounces 1 pound; 112 pounds 1 hundred weight; 20 hundred weight 1 ton. *Troy*: 24 grains equal 1 pennyweight; 20 pennyweights 1 ounce; 12 ounces 1 pound. *Apothecaries*: 20 grains equal 1 scruple; 3 scruples 1 dram; 8 drams 1 ounce; 12 ounces 1 pound.

SURFACE OR SQUARE MEASURE.—144 square inches equal 1 square foot; 9 square feet 1 square yard; 30 $\frac{1}{2}$ square yards 1 square rod; 40 square rods 1 square rood; 4 square rods 1 square acre; 640 square acres 1 square mile; 4840 square yards 1 acre; measure 200 feet on each side and you will have a square acre within an inch.

MEASURES OF LENGTH.—A palm is three inches; a hand (horse measure) is four inches; a span is 10 $\frac{1}{2}$ inches; a cubit is two feet; a pace is three feet; a fathom is six feet; a great cubit is 11 feet; 16 $\frac{1}{2}$ feet equal 1 rod; 40 rods 1 furlong; 8 furlongs 1 mile; 60 geo. miles 1 degree; a mile is 5280 feet, or 1760 yards in length; a league is 3 miles; a day's journey is 33 $\frac{1}{3}$ miles; a Sabbath day's journey in the Bible is 1155 yards.

SOLID OR CUBIC MEASURE.—1728 inches equal 1 cubic foot; 27 cubic feet 1 cubic yard; 40 cubic feet of round timber 1 ton; 50 cubic feet of hewn timber 1 ton; 288 cubic feet of wood (1 feet wide, 4 feet high, and 8 feet long) 1 cord; 24, 75 cubic feet, 1 perch of stone.

HOUSEHOLD WEIGHTS AND MEASURES.—Wheat Flour, 1 pound is 1 quart; Indian Meal, 1 pound 2 oz. is one quart; Butter (soft) 1 pound is one quart; Loaf Sugar, 1 pound is one quart; White Sugar, powdered, 1 pound 1 oz. is one quart; Brown Sugar, fine, 1 pound 2 oz. is 1 quart; 10 Eggs are one pound; Flour, 8 quarts are 1 peck, 4 pecks are one bushel.

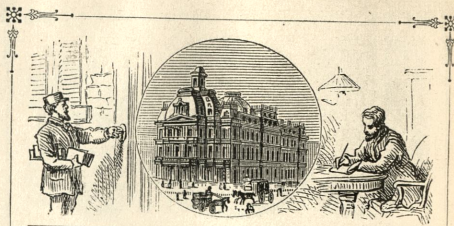
LIQUIDS.—English pint, 20 oz.; American pint, 16 oz.; 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon; tumbler, half pint; common wine-glass, 2 oz.; large wine-glass, 4 oz.; common tea-cup, 7 oz.; 5 table-spoons, 4 oz.; 4 tea-spoons, 1 oz.

POUNDS PER BUSHEL.—Wheat, 60 pounds; Corn, shelled, 56; Corn in ear, 70; Rye, 60; Oats, 32; Potatoes, 60; White Beans, 60; Clover Seed, 60; Timothy, 35; Flax Seed, 56; Hemp, 42; Peas, 60; Grass Seed, 14; Buckwheat, 42; Dried Peaches, 33; Dried Apples, 26; Onions, 57; Stove Coal, 80; Bran, 20; Plastering Hair, 8; Turnips, 55; Unslaked Lime 30; Corn Meal, 48; Salt, fine, 55; Salt, coarse, 50; Barley, 48

CAPACITY OF BOXES.

30 inches Square, 16 $\frac{1}{2}$ inches Deep, will contain one Barrel.
 15 " " " " " " " " half a Barrel.
 17 $\frac{1}{2}$ inches, 9 " " " " " " one Bushel.
 10 $\frac{1}{2}$ " " " " " " " " half a Bushel.
 8 inches Square, 8 $\frac{1}{2}$ " " " " " " one Peck.
 8 " " " " " " " " one Gallon.





DOMESTIC POSTAGE.

FIRST CLASS.—Letters and all written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner so that it cannot be easily examined, **two cents per ounce** or fraction thereof. A special ten-cent stamp when attached to a letter, in addition to the lawful postage, shall entitle the letter to immediate delivery at any place containing 4000 population or over, or within one mile of the post-office. Postal cards, one cent each.

SECOND CLASS.—All regular newspapers, magazines, and other periodicals issued at intervals not exceeding three months; the postage is **one cent for each four ounces**, payable by postage stamps.

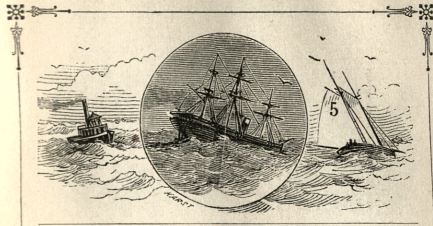
THIRD CLASS.—Embraces **printed books**, pamphlets, circulars, engravings, lithographs, proof-sheets and manuscript accompanying the same, and all matter of the same general character, the printing on which is designed to instruct, amuse, cultivate the mind or taste or impart general information, and not having the character of personal correspondence. Circulars produced by hectograph or similar process, or by electric pen, are rated as third class. The limit of weight for mail matter of the third class is four pounds, except in the case of single books exceeding that weight. The rate of postage on **ounces or fraction thereof is one cent for each two**

FOURTH CLASS.—All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily taken from the wrapper and examined. Rate, **one cent per ounce** or fraction thereof. Limit of weight, 4 lbs. Full prepayment compulsory. Liquids, ointments, explosives, and other like injurious matter, not admitted.

Direct your mail matter to a post-office, and if to a city, add the street and number or post-office box of the person addressed. Matter not addressed to a post-office cannot be forwarded. Write or print your name and address, and the contents, if a package, upon the upper left-hand corner of all mail matter. This will insure its immediate return to you for correction, if improperly addressed or insufficiently paid; and if it is not called for at destination, it can be returned to your without going to the Dead Letter office. If a letter, it will be returned free. Register all valuable letters and packages.

Registry fee, ten cents, which, with the postage, must be fully prepaid. The name and address of sender must be given on the outside of the envelope or wrapper.

POSTAL NOTE AND MONEY ORDER FEES.—Postal notes, 3c. each, in denominations of \$4.00 and less, payable to bearer. Such notes are invalid upon the expiration of three months from the last day of the month of issue, but the holder can after that time get it renewed at the Department at Washington, upon payment of a fee of 3 cents. For Money Orders in denominations of \$100 or less, the following fees are charged: Orders not exceeding \$10, 8 c.; from \$10 to \$15, 10 c.; \$15 to \$30, 15 c.; \$30 to \$40, 20 c.; \$40 to \$50, 25 c.; \$50 to \$60, 30 c.; \$60 to \$70, 35 c.; \$70 to \$80, 40 c.; \$80 to \$100, 45 c.



FOREIGN POSTAGE.

The rates of postage to the countries of the Universal Postal Union (embracing nearly every civilized country) are as follows:

On **LETTERS, five cents for each half ounce** or fraction thereof—prepayment optional. Double rates are collected on delivery of unpaid or short-paid letters.

On newspapers, books, pamphlets, photographs, sheet music, maps, engravings, and similar printed matter, **one cent for each two ounces** or fraction thereof.

To CANADA (including Nova Scotia, New Brunswick, Manitoba, and Prince Edward Island): On **LETTERS, two cents for each ounce** or fraction thereof; Books, Circulars, and similar printed matter, **one cent for each two ounces** or fraction thereof; **SECOND CLASS MATTER**, same as in the United States; **SAMPLES OF MERCHANDISE** (no dutiable articles or articles of intrinsic value admitted), **ten cents for each package**, which must not exceed 8 ounces in weight—prepayment compulsory.

To AUSTRALIA, (except New South Wales, Queensland and Victoria), *via* San Francisco: On **LETTERS, five cents for each half ounce** or fraction thereof; on **NEWSPAPERS, two cents each**—prepayment compulsory.

LIMITS OF SIZE AND WEIGHT: Packages of samples of merchandise to the countries named above (except Great Britain, France, Belgium, and Switzerland) must not exceed 8½ ounces in weight, nor measure more than 8 inches in length, 4 inches in breadth, and 2 inches in depth; and packages of printed matter must not exceed 4 lbs. 6 oz. in weight. Packages of merchandise samples to Great Britain, France, Belgium, and Switzerland, are limited to 22 ounces in weight, 12 inches in length, 8 inches in width, and 4 in depth. Packages of printed matter to Germany and Great Britain are limited to 2 feet in length and 1 foot in each other dimension.

MONEY-ORDER FEES.

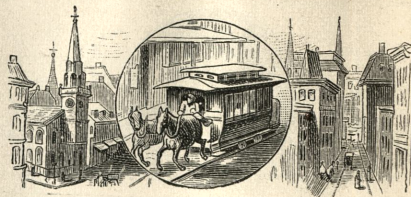
On Switzerland, the German Empire, the Dominion of Canada, or Newfoundland; the Kingdom of Italy; France or Algeria; New South Wales, Victoria, New Zealand, and the Island of Jamaica:

For sums not exceeding \$10.....	15 cents.
Over \$10 and not exceeding \$20.....	30 cents.
Over \$20 and not exceeding \$30.....	45 cents.
Over \$30 and not exceeding \$40.....	60 cents.
Over \$40 and not exceeding \$50.....	75 cents.

On Great Britain and Ireland,—England, Scotland, Wales, Ireland, and adjacent islands:

For sums not exceeding \$10.....	25 cents.
Over \$10 and not exceeding \$20.....	50 cents.
Over \$20 and not exceeding \$30.....	70 cents.
Over \$30 and not exceeding \$40.....	85 cents.
Over \$40 and not exceeding \$50.....	\$1.00.

No order will be issued for a larger amount than \$50 in United States money.



PRINCIPAL CITIES.

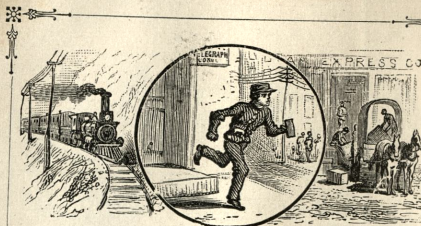
POPULATION, DISTANCE FROM NEW-YORK, AND DIFFERENCE BETWEEN MEAN AND STANDARD TIME.

CITIES.	Population. 1880.	Miles.	Hrs.	Stan. Time - Mean + } Time.
New-York, N. Y.	1,206,299	.....	.....	- 4 m.
Philadelphia, Pa.	847,170	90	2	+ 1
Brooklyn, N. Y.	566,663	.....	.....	- 4
Chicago, Ill.	503,185	912	24	- 9
Boston, Mass.	360,832	234	6	- 4
St. Louis, Mo.	350,518	1065	35 1/2	+ 1
Baltimore, Md.	255,139	188	4 1/2	+ 6
Cincinnati, Ohio	233,959	371	5 1/2	+ 12
San Francisco, Cal.	216,090	3271	54	+ 20
New Orleans, La.	160,146	585	19 1/2	+ 27
Cleveland, Ohio	156,839	444	12	+ 20
Pittsburgh, Pa.	155,134	410	14	+ 16
Buffalo, N. Y.	147,293	228	7	+ 8
Washington, D. C.	136,508	10	1 1/2	- 3
Newark, N. J.	123,758	867	35	- 18
Louisville, Ky.	116,340	646	23	- 28
Detroit, Mich.	116,340	646	23	- 28
Milwaukee, Wis.	104,837	104	3	- 8
Providence, R. I.	100,738	145	5 1/2	- 14
Albany, N. Y.	89,366	374	12 1/2	- 5
Rochester, N. Y.	75,056	825	30	+ 16
Indianapolis, Ind.	68,882	342	11 1/4	+ 10
Richmond, Va.	58,201	190	6	+ 13
Worcester, Mass.	55,785	138	4 1/2	+ 19
Kansas City, Mo.	51,792	293	7 1/4	+ 5
Syracuse, N. Y.	50,137	206	24	- 10
Toledo, Ohio	46,984	803	33	+ 24
Charleston, S. C.	46,887	1332	55	+ 12
Minneapolis, Minn.	42,015	1113	3	0
Hartford, Conn.	41,473	1322	54	+ 12
St. Paul, Minn.	35,629	1982	92	0
Denver, Col.	33,592	1244	46 1/4	0
Memphis, Tenn.	32,016	934	30 1/2	- 17
Grand Rapids, Mich.	30,709	904	39	+ 14
Savannah, Ga.	30,518	1402	56 1/2	+ 24
Omaha, Neb.	29,132	1230	48	- 8
Mobile, Ala.	22,408	1270	51 1/4	+ 14
Des Moines, Iowa	22,254	1007	43 1/2	+ 13
Dubuque, Iowa	22,248	1782	97 1/2	+ 19
Galveston, Texas	20,768	2471	120	+ 28
Salt Lake City, Utah	17,577	3232	152	+ 20
Portland, Or.	15,546	1369	62	+ 20
Leavenworth, Kan.	15,452	1410	63	+ 23
Topeka, Kan.	13,603	1466	58	+ 22
Lincoln, Neb.	12,149	232	8	- 9
Rutland, Vt.	.....	.....	.....	.....



U. S. AREA AND POPULATION.

STATES.	Land Surface Sq. Miles.	Water Surface Sq. M.	Total acres.	Improved acres.	Popula'n 1880.
Alabama	51,540	710	18,855,334	6,375,706	1,262,805
Arizona	112,920	100	12,573	59,071	40,444
Arkansas	53,045	805	12,061,547	3,595,601	802,525
California	155,980	2,380	16,593,742	10,660,668	864,694
Colorado	103,645	280	1,195,373	619,169	194,327
Conn't.	4,845	145	2,453,541	1,642,188	622,700
Dakota	147,700	1,400	3,860,586	1,130,413	125,577
Delaware	1,650	90	1,090,245	162,958	146,668
Dist. Col.	60	10	18,146	12,632	177,624
Florida	54,240	1,440	3,297,324	947,640	269,493
Georgia	59,680	495	26,043,282	8,204,720	1,540,180
Idaho	84,890	510	1,271,798	197,497	32,610
Illinois	59,000	609	13,673,645	26,115,154	3,077,871
Indiana	35,910	440	20,420,983	13,933,738	1,978,301
Indian T.	64,090	600	.....	.....	.....
Iowa	55,475	550	24,752,700	19,866,541	1,624,615
Kansas	81,700	380	21,417,468	10,739,355	926,006
Kentucky	40,000	400	21,495,240	10,721,683	1,648,600
Louisiana	45,420	3,300	8,273,506	2,739,972	930,746
Maine	29,895	3,145	6,552,578	3,484,908	468,936
Maryland	9,860	2,350	5,119,831	3,342,700	783,043
Mass.	8,040	275	3,359,079	2,128,311	1,943,085
Michigan	37,430	1,485	13,897,240	11,690,687	1,690,687
Minnesota	79,205	4,160	13,403,090	7,246,663	780,773
Miss.	46,340	470	15,855,462	5,202,937	1,131,597
Missouri	68,735	680	27,870,276	10,745,031	1,168,360
Montana	145,310	770	405,683	262,611	39,159
Nebraska	76,185	670	9,944,866	2,829,402	506,891
Nevada	109,740	960	530,862	344,423	62,266
N. Hamp.	9,005	300	3,721,173	2,308,112	346,991
N. Jersey	7,455	350	2,929,773	2,006,297	1,131,116
N. Mexico	122,460	130	631,131	237,392	110,595
New York	47,620	1,550	23,780,757	17,717,860	5,060,871
No. Car.	48,580	3,070	22,393,558	6,481,191	1,399,750
Ohio	40,760	300	24,320,226	16,081,691	3,108,662
Oregon	94,560	1,470	4,214,712	2,198,645	174,768
Penn.	44,985	230	19,791,341	13,423,007	4,282,821
Rhode I.	1,085	165	514,813	293,480	276,531
So. Car.	30,170	400	13,457,613	4,132,059	1,295,577
Tenn.	41,750	300	20,665,915	8,496,556	1,542,359
Texas	262,290	3,490	36,293,219	12,650,314	1,591,749
Utah	82,190	2,780	655,524	416,105	143,963
Vermont	9,135	430	4,882,568	3,286,401	332,266
Virginia	40,123	2,325	19,835,785	8,560,213	1,519,865
Wash'ton.	66,880	2,300	1,400,421	493,340	75,116
W. Va.	24,645	135	10,193,770	3,792,327	618,457
Wisconsin	54,450	1,590	15,353,118	9,662,528	1,315,497
Wyoming	97,575	315	124,433	83,122	20,789
Unord. T.	5,740	.....	.....	.....	.....
Del. Bay	620	.....	.....	.....	.....
N. Y. Bay	100	.....	.....	.....	.....
U. States.	2,970,000	55,600	536,081,835	284,771,042	50,155,793



VALUE OF FOREIGN COINS.

DENOMINATION.	COUNTRY.	Equivalent in U. S. Money.
Alfonso	Spain	\$4.80.
Boliviano	Bolivia	.82.3
Bolivar	Venezuela	.19.3
Crown	Denmark	.26.8
"	Norway	.26.8
"	Sweden	.26.8
Dollar	British America	1.00.
"	Liberia	1.00.
"	Mexico	.89.4
"	Sandwich Islands	1.00.
"	Spain	.94.
Drachma	Greece	.19.3
Florin	Austria	.40.7
"	Netherlands	.40.2
Franc	France, Belg., Switz.	.19.3
Half Imperial	Russia	3.97.
20 Kroner	Nor'y, Swed'n, Den'k.	5.25.
Lira	Italy	.19.3
Mahabud of 20 piasters	Tripoli	.74.3
Mark	German Empire	.25.8
"	Brazil	.54.6
Milreis of 1000 reis	Portugal	1.08.
Peseta of 100 centimes	Spain	.19.3
Peso	Chili	.91.2
"	Cuba	.93.2
"	Ecuador	.82.3
"	U. S. of Columbia	.82.3
Piaster	Egypt	.04.9
"	Turkey	.04.4
Pound Sterling (Sovereign)	England	4.87.
Rouble of 100 copecks	Russia	.65.8
Rupee of 16 annas	India	.39.
Shilling	England	.24.
Sol	Peru	.82.3
Thaler (3 marks)	Germany	.70.
Yen	Japan	.88.8

Explanation of the Currencies of the various Countries.

AUSTRIA AND RUSSIA.—The Paper Currencies are continually subject to important fluctuations.

IN FRANCE, BELGIUM, SWITZERLAND, AND ITALY, 1 franc=100 centimes. GERMANY, 1 mark=100 pfennig. HOLLAND, 1 florin or guilder=100 cents. NORWAY, SWEDEN, AND DENMARK, 1 kroner=100 öre. UNITED STATES, 1 dollar=100 cents. SPAIN, 1 peseta=100 centavos. AUSTRIA, 1 florin=100 kreuzer. PORTUGAL, 1 milreis=1000 reis. GREECE, 1 drachma=100 lepta. TURKEY, 1 piaster=40 paras. RUSSIA, 1 rouble=100 copecks.

Italian notes and silver are not current in France, Belgium, and Switzerland, but the silver of these countries passes current in Italy.



ROUTES OF TRAVEL.

Modes of Conveyance, Distances and Rates of Fare from San Francisco.

ABBREVIATIONS.

*—Southern Pacific Company, station foot of Market Street.

X—Southern Pacific Co., station Fourth and Townsend Streets.

C. & C.—Carson & Colorado Railroad.

C. S.—California Southern Railroad.

D. & E. G.—Denver & Rio Grande Railway.

E. & P.—Eureka & Palisade Railroad.

Ex.—Excursion.

f.—Fare. Being price of an unlimited first-class ticket m.—Miles.

N. C.—Nevada County Narrow Gauge Railroad.

N. P.—Northern Pacific Railroad.

N. P. C.—North Pacific Coast Railroad.

O. & C.—Oregon & California Railroad.

P. C. Ry.—Pacific Coast Railway.

P. C.—Pacific Coast Steamship Co.

P.—Population. Where no figures are given, population is under 50.

S. F. & N. P.—San Francisco & North Pacific Railroad.

S. P. C.—South Pacific Coast Railroad.

V. & T.—Virginia & Truckee Railroad.

V. V. & C. L.—Vaca Valley & Clear Lake Railroad.

ÆTNA HOT SPRINGS, Napa Co., Cal.—* to St. Helena, 64 m.; stage 15 m. Fare, \$4.85.

ALBANY, Linn Co., Oregon, p. 3,610.—* to Delta, 272 m.; stage to Ashland, 125 m.; O. & C., 261 m. Fare, \$35.95; or P. C. to Portland; O. & C. 79 m. Fare, \$28.25.

ASHLAND, Jackson Co., Oregon, p. 844.—* to Delta, 272 m.; stage 125 m. Fare, \$25.50; or P. C. to Crescent City, 274 m. Fare, cabin \$20; steerage \$10; stage, 15 m.

ASTORIA, Clatsop Co., Oregon, p. 5,721.—P. C. 555 m. Fare, cabin \$20; steerage \$10.



- BIG TREES**, Calaveras Co., Cal., p. 50.—* to Milton, 122 m.; stage 47 m. Fare, \$10.50.
- BIG TREES**, Mariposa Co., Cal.—* to Raymond, 200 m.; stage 40 m. Fare, \$50.
- BIG TREES**, Santa Cruz Co., Cal.—S. P. C. 74 m. Fare, \$3.25; Sun. Ex. fare, \$3.00.
- BODIE**, Mono Co., Cal., p. 3,500.—* to Reno, 245 m.; V. & T. to Mound House, 41 m.; C. & C. to Hawthorne, 100 m.; stage 40 m. Fare, \$31.05.
- BOISE CITY**, Ada Co., Idaho, p. 1,900.—* Winnemucca, 414 m.; stage 273 m. Fare, \$55.10.
- CALISTOGA**, Napa Co., Cal., p. 467.—* 78 m. Fare, \$2.70.
- CARSON**, Ormsby Co., Nevada, p. 4,227.—* to Reno, 244 m.; V. & T. 81 m. Fare, \$14.05.
- CHICO**, Butte Co., Cal., p. 3,500.—* 156 m. Fare, \$6.85.
- CLOVERDALE**, Sonoma Co., Cal., p. 600.—S. F. & N. P. 84 m. Fare, \$3.50; Sat. to Mon. Ex. \$5.00; Sun. Ex. \$4.50.
- COLFAX**, Placer Co., Cal., p. 591.—* 144 m. Fare, \$5.65.
- COLUSA**, Colusa Co., Cal., p. 602.—* to Colusa Junction, 129 m.; Colusa R. R. 10 m. Fare, \$6.20.
- CORVALLIS**, Benton Co., Oregon, p. 1,595.—* to Portland, via Delta, 738 m.; O. & C. 97 m. Fare, \$39.85; or P. C. to Portland. Fare, \$23.85; or stmr. Yaquina to Yaquina Bay, 450 m.; O. P. 60 m. Fare, \$14 and 87.
- DALLAS**, Polk Co., Oregon, p. 625.—* to Portland via Delta, 738 m.; O. & C. to St. Joseph, 47 m.; stage 30 m. Fare, \$40.00.
- DALLES**, Wasco Co., Oregon, p. 2,232.—* to Portland via Delta, 738 m.; O. R. & N., 88 m. Fare, \$39.55; or P. C. to Portland.
- DAYTON**, Yamhill Co., Oregon, p. 368.—* to Portland via Delta, 738 m.; O. & C. to St. Joseph, 47 m.; stage 5 m. Fare, \$38.40; or P. C. to Portland.
- DIXON**, Salano Co., Cal., p. 912.—* 68 m. Fare, \$2.45.
- DUNCAN MILLS**, Sonoma Co., Cal., p. 800.—N. P. C. 79 m. Fare, \$3.50; round trip, \$5; Sat. to Mon. Ex. \$4; Sun. Ex. \$3.



- EUGENE CITY**, Lane Co., Oregon, p. 2,167.—* to Delta, 272 m.; stage to Ashland, 125 m.; O. & C., 218 m. Fare, \$34.25; or P. C. to Portland; O. & C., 123 m. Fare, \$25.
- EUREKA**, Humboldt Co., Cal., p. 3,500.—S. F. & N. P., to Cloverdale, 84 m.; stage to Hydesville, 182 m.; E. B. & E. R. R. to Eureka, 24 m. Fare, \$20; or P. C., 216 m. Fare, \$10.
- EUREKA**, Eureka Co., Nevada, p. 4,207.—* to Palisade, 525 m.; E. & P., 90 m. Fare, \$11.05.
- FOREST GROVE**, Washington Co., Oregon, p. 863.—* to Portland via Delta, 738 m. Fare, \$37.05; or P. C. to Portland. Fare, \$21.05.
- GEYSER SPRINGS**, Sonoma Co., Cal., p. 50.—* to Calistoga, 73 m.; stage, 27 m. Fare, round trip, \$3.50; or S. F. & N. P. to Cloverdale, 84 m.; stage 15 m. Fare, round trip, \$3.50. Fare, round trip, going one route and returning the other, \$12.50.
- GILROY**, Santa Clara Co., Cal., p. 2,000.—X 80 m. Fare, \$3; Sun. Ex., \$2.75; Sat. to Mon. Ex., \$4.
- GILROY HOT SPRINGS**, Santa Clara Co., Cal., p. 50.—X to Gilroy, 80 m.; stage 10 m. Fare, \$4.50; Sat. to Mon. Ex., \$6.00; round trip, season, \$3.
- GOSHEN**, Tulare Co., Cal.—* 241 m. Fare, \$9.
- GRASS VALLEY**, Nevada Co., Cal., p. 4,450.—* to Colfax, 144 m.; N. C., 17 m. Fare, \$7.40.
- HEALDSBURG**, Sonoma Co., Cal., p. 1,390.—S. F. & N. P., 66 m. Fare, \$2.50; Sat. to Mon. Ex., \$4. Sun. Ex., \$3.
- IDAHO CITY**, Boise Co., Idaho, p. 672.—* to Winnemucca, 414 m.; stage, 309 m. Fare, \$31.80.
- INDEPENDENCE**, Polk Co., Oregon, p. 700.—* to Portland via Delta, 738 m.; O. & C., 76 m. Fare, \$39.05; or P. C. to Portland. Fare, \$23.05.
- JUNCTION CITY** (Lancaster) Lane Co., Oregon, p. 494.—* to Delta, 272 m.; stage, to Ashland, 125 m. O. & C., 231 m. Fare, \$34.75; or P. C. to Portland, O. & C., 110 m. Fare, \$24.45.
- LA GRANDE**, Union Co., Oregon, p. 300.—* to Portland via Delta, 738 m.; O. R. & N., 305 m. Fare, \$43.20; or P. C. to Portland.
- LAKE TAHOE**, Cal., see Tahoe City.



LEWISTON, Nez Perce Co., Idaho, p. 739.—P. C. to Portland, 730 m.; Stmr. in Summer, 450 m. Fare, \$52; or O. R. & N. to Walla Walla, 245 m.; stage, 130 m. Fare, \$62.

LOS ANGELES, Los Angeles Co., Cal., p. 25,000.—* 482 m. Fare, \$21.70; or P. C. to San Pedro, 389 m.; *25 m. Fare, \$15.

MARYSVILLE, Yuba Co., Cal., p. 4,321.—* 142 m. Fare, \$5.10.

MENLO PARK, San Mateo Co., Cal., p. 300.—X 32 m. Fare, \$1.15. Sun. Ex., \$1.25; Sat. to Mon., Ex., \$1.60.

MONTEREY, Monterey Co., Cal., p. 2,005.—X 125 m., \$3.50; Sun. Ex., \$3; Sat. to Mon. Ex., \$5; or P. C., 85 m. Fare, \$3.

NAPA, Napa Co., Cal., p. 3,731.—* 46 m. Fare, \$1.60.

NEVADA, Nevada Co., Cal., p. 4,022.—* to Colfax, 144 m.; N. C., 22 m. Fare, 7.90.

OLYMPIA, Thurston Co., Wash. Ter., p. 1957.—P. C., 885 m. Fare, Cabin, \$20; Steerage, \$10; or P. C. to Kalama, 683 m.; M. P. to Tacoma, 100 m.; through fare, \$32; or N. P. to Tenino, 66 m.; stage 15 m. Fare, \$30.

PASO ROBLES HOTSPRINGS, San Luis Obispo Co., Cal., p. 150.—X to Soledad, 143 m.; stage, 78 m. Fare, \$11; or P. C. to Port Harford, 201 m., P. C. Ry. to San Luis Obispo, 11 m.; stage, 30 m. Fare, \$11.20.

PENDLETON, Umatilla Co., Oregon, p. 730.—* to Portland via Delta, 738 m.; O. R. & N., 231 m. Fare, \$45.25; or P. C. to Portland.

PESCADERO, San Mateo Co., Cal., p. 338.—X to San Mateo, 21 m., stage 32 m. Fare, \$3.50; or X to Redwood, 29 m.; stage 35 m. Fare, \$3.50.

PETALUMA, Sonoma Co., Cal., p. 5,000.—S. F. & N. P., 36 m. Fare, \$1.00; Sat. to Mon. Ex., \$1.75; Sun. Ex., \$1.50.

PORTLAND, Multnomah Co., Oregon, p. 20,500.—* to Delta, 272 m.; stage to Ashland, 125 m.; O. & C., 341 m. Fare, \$36; limited, \$32; time, 60 hours; or P. C., 661 m. Cabin, fare \$20; steerage, \$10; time, 60 hours.



PORT TOWNSEND, Jefferson Co., Wash. Ter., p. 918.—P. C., 788 m. Fare, Cabin, \$20; Steerage, \$10; or via Portland and Kalama; N. P. to Tacoma, 100 m.; Sound Steamer 92 m. Fare, \$30.

RENO, Washoe Co., Nevada.—294 m. Fare, \$12.05.

ROSEBURG, Douglas Co., Oregon, p. 1,275.—* to Delta, 273 m.; stage to Ashland, 125 m.; O. & C., 143 m. Fare, \$31.25; or P. C. to Portland; O. & C., 197 m. Fare, \$27.95.

SACRAMENTO, Sacramento Co., Cal., p. 21,420.—* via Benicia, 90 m. Fare, \$3.80; limited, \$3; second-class, \$1.50; round trip, \$5; or Stmr., 120 m. Fare, \$1.50.

SALEM, Marion Co., Oregon, p. 5,000.—* to Delta, 272 m.; stage to Ashland, 125 m.; O. & C., 289. Fare, \$36; or P. C. to Portland; O. & C., 52 m. Fare, \$32.15.

SALINAS, Monterey Co., Cal., p. 2,600.—X 118 m. Fare, \$3.50; or P. C. S.

SALT LAKE CITY, Salt Lake Co., Utah, p. 20,768.—* to Ogden, 838 m.; D. & R. G., 36 m.; or U. C., 36 m. Fare, \$42.

SANTA ROSA, Sonoma Co., Cal., p. 3,616.—S. F. & N. P., 51 m. Fare, \$1.75; Sat. to Mon. Ex., \$3; Sun. Ex., \$2.

SAN DIEGO, San Diego Co., Cal., p. 2,450.—* to Colton, 540 m.; C. S., 121 m. Fare, \$30; or P. C., 482 m. Fare, \$15.

SAN JOSE, Santa Clara Co., Cal., p. 12,567.—S. P. C., 46 m. Fare, \$1.75; Sat. to Mon. Ex., \$2.50; Sun. Ex., \$1.75; or X 50 m. Fare, \$1.75; Sat. to Mon. Ex., \$2.50; Sun. Ex., \$1.75; or * 41 m.; fare, \$1.70; Sat. to Mon. Ex., \$2.50.

SAN RAFAEL, Marin Co., Cal., p. 2,500.—N. P. C. 18 m. Fare, 35 cents; round trip, 50 cents; or S. F. & N. P., 15 m. Fare, 35 cents; round trip, 50 cents.

SAN LUIS OBISPO, San Luis Obispo Co., Cal., p. 2,243.—X to Soledad, 143 m.; stage 114 m. Fare, \$14; or P. C. to Port Harford, 201 m.; P. C. Ry., 11 m. Fare, \$3.20.



SANTA MONICA, Los Angeles Co., Cal., p. 600.—
Via * 500 m. Fare, \$22.20; or P. C., 361 m. Fare,
\$14.

SAN MATEO, San Mateo Co., Cal., p. 932.—X 21 m.
Fare, 75 cents; Sun. Ex., 75 cents; Sat. to Mon.,
Ex., \$1.10.

SANTA BARBARA, Santa Barbara Co., Cal., p. 5,000.
—P. C., 288 m. Fare, \$10.00; or * to Newhall, 452
m.; stage, 80 m. Fare, \$27.25; or X to Soledad, 143
m.; stage, 260 m. Fare, \$20.

SANTA CLARA, Santa Clara Co., Cal., p. 2,416.—X
47 m. Fare, \$1.65; Sun. Ex., \$1.75; Sat. to Mon.
Ex., \$2.50; or S. P. C., 44 m. Fare, \$1.65; Sun. Ex.,
\$1.75.

SANTA CRUZ, Santa Cruz Co., Cal., p. 3,000.—S. P.
C., 81 m. Fare, \$3.50; Sun. Ex., \$3; Sat. to Mon.
Ex., \$5; or X 121 m. Fare, \$3.50; Sun. Ex., \$3;
Sat. to Mon. Ex., \$5; or P. C., 70 m. Fare, 2.50.

SEATTLE, King Co., Wash. Ter., p. 3,660.—P. C. 827
m.; Cabin, \$20; Steerage, \$10; or P. C. to Port
Townsend, 850 m.; stmr., 64 m. Fare, \$26.

SIERRA MADRE VILLA, Cal.—1 mile from La-
manda Park and 13 miles from Los Angeles via
Los Angeles and San Gabriel Valley R. R. Fare,
Los Angeles to Lamanda Park, 80 cents.

SODA SPRINGS, Napa Co., Cal.—* to Napa, 46 m.;
stage, 7 m. Fare, \$2.

SPOKANE FALLS, Spokane Co., Wash. Ter., p. 350.
—P. C., to Portland, 730 m.; O. R. N. & N. P.,
874 m.

STOCKTON, San Joaquin Co., Cal., p. 10,287.—* 92 m.
Fare, \$3.30, or stmr. Fare, \$1.

ST. HELENA, Napa Co., Cal., p. 1,500.—* 64 m.
Fare, \$2.30.

TACOMA (New Tacoma), Pierce Co., Wash. Ter., p.
1,008.—P. C. via Portland and Kalama; N. P., 105
m. Cabin, fare, \$31; steerage, fare, \$16; or direct
P. C., 850 m. Cabin, fare, \$20; steerage, fare, \$10.



TAHOE CITY, (Lake Tahoe) Placer Co., Cal., p. 200.
—* to Truckee, 210 m.; stage, 14 m. Fare, \$12; Ex.,
round trip, \$20; return via Carson and Reno. Fare,
\$25.00.

TAMALPAIS, Marin Co., Cal.—N. P. C., 14 m. Fare.
35 cents; trip, 50 cents.

UMATILLA JUNCTION, Umatilla Co., Oregon, p.
319.—* to Portland, via Delta, 738 m.; O. R. & N.,
186 m. Fare, \$43.50; or P. C. to Portland.

VACAVILLE, Solano Co., Cal., p. 400.—* to Elmira,
60 m.; V. V. & C. L., 4 m. Fare, \$2.35.

VANCOUVER, Clark Co., Wash. Ter., p. 1,792.—P.
C. to Portland, 730 m.; stmr. 19 m. Fare, \$21.50.

VALLEJO, Solano Co., Cal., p. 5,987.—* 32 m. Fare,
\$1; or stmr., 27 m. Fare, \$1.

VICTORIA, (Vancouver District), British Colony, p.
6,364.—P. C., 750 m. Cabin, fare, \$20; steerage,
fare, \$10.

VIRGINIA CITY, Storey Co., Nevada, p. 10,917.—*
to Reno, 244 m.; V. & T., 52 m. Fare, \$15.05.

WALLA WALLA, Walla Walla Co., Wash. Ter., p.
3,583.—P. C. to Portland, 730 m.; O. R. & N.,
244 m.; Cabin, fare, \$33.60; steerage, fare, \$23.60.

WALNUT CREEK, Contra Costa Co., Cal., p. 200.—
* or S. P. C. to Oakland, 8 m.; stage, 17 m. Fare,
\$1.65.

WHITE SULPHUR SPRINGS, Napa Co., Cal.—* to
St. Helena, 64 m. Fare, \$2.35; stage, 8 m. Fare,
50 cents.

YALE (Yale District), British Colony, p. 400.—P. C.
S. to Victoria, 870 m.; stmr., 188 m. Cabin, fare,
\$20; steerage, fare, \$16.

YOSEMITE VALLEY, Mariposa Co., Cal.—* to Ray-
mond (end of new Yosemite extension), 200 miles;
stage via Mariposa Big Trees, 60 m. Fare, round
trip, \$50 (sleeper to Raymond); or * to Milton via
Stockton, 148 m.; stage 85 m. Fare, round trip, \$36;
or including trip to Calaveras Big Trees, \$50.
Time for round trip, either route, four days.



THEATRE GUIDE.

Pleasure Resorts and Places of Interest, General Information for Strangers, etc., in and about San Francisco.

California Theatre—Bush Street, above Kearney. The representative Theatre of California, and one of the finest theatres in the world. Rankin & Co., Proprietors. E. D. Price, Manager.

Baldwin Theatre—Baldwin Hotel, Market and Powell, one of the most elegant theatres in the United States. Al. Hayman, Manager.

The Alcazar—O'Farrell Street, between Stockton and Powell. The most beautiful Moorish hall in America. Geo. Wallenrod, Superintendent.

Grand Opera House—Mission, between 3d and 4th.

Bush Street Theatre—Bush Street, above Montgomery. M.B. Leavitt, Proprietor; C.P. Hall, M'g'r

Standard Theatre—Bush Street, above Montgomery, opposite Bush Street Theatre.

Tivoli Opera House—Eddy Street, near Baldwin Hotel. A first class and popular place of amusement. Kreling Bros., Proprietors. Operatic. Performance every evening. Admission, 25 cents. Extra to reserve.

Opera Building—S. W. Corner Eddy and Mason Streets. The Battle of Waterloo, by the French Artists, Joseph Bertrand and Lucien Sargent. Open daily (Sundays included), from 9 a. m. to 11 p. m. Admission: Adults, 50 cents.; Children, 25 cents.

Vigwam Garden—Cor. Geary and Stockton Streets. G. Walter & Co., Proprietors. Musical and variety. Admission, free.

Vienna Garden Theatre—Cor. Sutter and Stockton Streets. Admission free.



Telegraph Hill Observatory—Duncan C. Ross, Proprietor. Reached by North Beach and Mission Cars running on Montgomery Street, and transferring to Cable Road.

The Fountain Theatre—Sutter Street, near Kearney. Musical and Variety. Admission free.

Chinese Theatre—Grand Chinese Theatre, 814 Washington Street. Performances every evening by full Chinese Company. Admission, 50 cents. Private Boxes, \$3.00.

Golden Gate Park—Contains over 1,000 acres; extends from Baker Street to the Pacific Ocean, 3 1/2 miles. Reached by Market Street Cable Railway via Haight or McAllister Street, from ferries; or, Geary Street Cable Road from corner Kearney and Geary Streets. Fare, 5 cents.

Woodward's Gardens—Reached by Valencia Street Division of Market Street Cable Railway. An extensive and beautiful park filled with Trees, Flowers and Rare Plants, Menagerie and Botanical Garden, Aquarium and Museum of Curiosities. Performances on Saturdays and Sundays. Admission, 25 cts.

Cliff House and Seal Rocks—Point Lobos, 6 miles from City Hall. A magnificent drive over a perfect road leading through Golden Gate Park; or, can be reached by Market Street Cable R. R., Haight or McAllister Street Division, connecting at Haight Street terminus with trains of Park & Ocean R. R. direct to Ocean Beach, near Cliff House. Distance from Oakland Ferry, about 8 miles; time, 55 minutes; fare, 10 cents.

San Francisco Stock Exchange—Pine Street, between Montgomery and Sansome.

Merchants' Exchange—California Street, between Montgomery and Sansome.

United States Mint—Fifth and Mission Streets. Visitors admitted from 9 a. m. to 12 noon

California State Mining Bureau—New Pioneer Building, Fourth Street. This institution has the largest and most valuable collection of ores, minerals, fossils, and Indian relics in the United States.



Mission Dolores—Founded 1776; 16th and Dolores Streets. Reached by Valencia Street Division of Market Street Cable Railway.

Alcatraz Island and Angel Island—Permission to visit these may be secured at Military Headquarters, New Montgomery Street. Steamer *General McPherson* visits them daily.

Eastern Railway Lines—The Offices of all Agents of Eastern Railroads, represented in San Francisco, are on Montgomery, Market, and New Montgomery Streets, in close proximity to Palace, Grand, and Occidental Hotels.

BANKS—All the leading banks are on Montgomery, Sansome, California, and Pine Streets.

EXPRESS OFFICES—Wells, Fargo & Co., 312 to 318 Sansome Street.

Northern Pacific Express Co., 407 Montgomery Street.

STREET CAR FARES—The fare on all Street Car Lines, both Horse and Cable, is 5 cents.



HIGH WATER AT SAN FRANCISCO.

JANUARY.

D	First.	Second	D	First.	Second
1	5 04a	4 20 p	17	5 42	4 51
2	5 45	5 51	18	6 34	5 18
3	6 29	7 32	19	7 27	6 32
4	7 10	8 45	20	8 17	7 01
5	7 47	9 48	21	9 03	7 20 p
6	8 22	10 37	22	9 47	8 02
7	9 00	11 19	23	10 03	8 38
8	9 39	11 57 p	24	10 41	9 11a
9	10 21	12 31	25	1 16	11 52a
10	0 32	11 02a	26	1 49	12 30p
11	1 07	11 46a	27	2 14	1 09 11
12	1 28	12 27p	28	2 45	1 51
13	2 16	1 31	29	3 16	2 47
14	3 02	2 34	30	3 53	3 51
15	3 53	3 52	31	4 30a	4 56 p
16	4 49	5 16			

FEBRUARY.

D	First.	Second	D	First.	Second
1	5 08a	6 28 p	16	6 00	8 06
2	5 41	8 07	17	7 02	9 23
3	6 42	9 17	18	7 59	10 14
4	7 33	10 03	19	8 53	11 06
5	8 26	10 46	20	9 39	11 52 p
6	9 17	11 23	21	10 21	11 22a
7	10 07	11 59 p	22	0 05	11 02a
8	10 58		23	0 31	11 41a
9	0 32	11 47a	24	1 07	12 17 p
10	1 05	12 37p	25	1 12	12 56
11	1 43	1 33 1	26	1 37	1 38
12	2 20	2 24	27	2 06	1 31
13	3 12	3 12	28	2 56a	3 13 p
14	4 03	5 10			
15	4 59	6 48			

MARCH.

D	First.	Second	D	First.	Second
1	5 11a	4 32 p	17	5 25	8 01
2	4 02	6 14	18	6 37	8 58
3	4 59	7 48	19	7 43	9 42
4	6 05	8 49	20	8 41	10 19
5	7 10	9 32	21	9 33	10 59
6	8 12	10 09	22	10 19	11 13
7	9 08	10 43	23	10 58	12 11
8	10 00	11 14	24	11 31	11 51
9	10 51	11 47	25	12 03	9
10	11 40	12 32	26	12 12	12 36
11	0 22	1 32	27	0 55	1 13
12	0 59	1 27	28	1 07	2 09
13	1 38	2 29	29	1 43	3 11
14	2 24	3 42	30	2 25	4 27
15	3 18	4 15	31	3 18a	6 03 p
16	4 16	5 46			

APRIL.

D	First.	Second	D	First.	Second
1	4 22a	7 20 p	17	7 36	9 00 1
2	5 29	8 11	18	8 37	9 29 1
3	6 55	8 49	19	9 25	9 54 1
4	8 03	9 23	20	10 08	10 17 1
5	9 01	9 55 1	21	10 57	10 28
6	9 54	10 29	22	11 21	10 59 1
7	10 48	11 24	23	11 56	11 28 1
8	11 42	12 34	24	12 11	12 1
9	12 34	1 34	25	0 00	1 21
10	0 21	1 32	26	0 26	1 24
11	0 53	1 36	27	1 03	1 36
12	1 50	3 51	28	1 43	4 25
13	2 42	5 12	29	2 39	5 18
14	3 44	6 23	30	3 52a	6 37 p
15	4 57	7 32			
16	6 19	8 21 1			

MAY.

D	First.	Second	D	First.	Second
1	5 16 a	7 21p	17	8 07	8 36 1
2	6 42	8 00	18	9 02	9 03 1
3	7 57	8 36	19	9 51	9 25 1
4	8 59	9 12	20	10 57	9 45 1
5	9 55	9 51	21	11 19	10 16 1
6	10 54	10 28	22	12 02	10 47 1
7	11 49 a	11 07	23	12 44	11 19 1
8	12 44 p	11 49	24	1 29	11 53 1
9	1 41	1 41	25	2 16	
10	0 32a	2 43	26	0 33a	3 11
11	1 13	3 47	27	1 46	
12	2 11	4 54	28	2 44	4 48
13	3 13	5 56	29	3 36	5 49 1
14	4 24	6 48 1	30	4 59	7 33 1
15	5 45	7 30 1	31	6 28 a	7 13p
16	7 00	8 05 1			

JUNE.

D	First.	Second	D	First.	Second
1	7 47 a	7 58p	17	9 36	8 37 1
2	8 58	8 39 1	18	10 28	9 05 1
3	10 01	9 22 1	19	11 12	9 41 1
4	11 00	9 59 1	20	11 56	10 17 1
5	12 04	10 51	21	12 39	10 56 1
6	12 47 p	11 22 1	22	1 21	11 38 1
7	1 40		23	2 12	1 20
8	0 06a	2 32	24	0 32a	2 42
9	0 55	3 26	25	1 16	3 25
10	1 43	4 14	26	2 14	4 11
11	2 32	5 07 1	27	3 15	5 02 1
12	3 24	5 49 1	28	4 49	5 48 1
13	4 53	6 31 1	29	6 14	6 37 1
14	6 17	7 42 1	30	7 42 a	7 29p
15	7 29	7 42 1			
16	8 37	8 10 1			



HIGH WATER AT SAN FRANCISCO.

JULY.

D	First.	Second
1	9 00 a	5 09 p
2	10 06 a	8 55 p
3	11 03 a	9 39 p
4	11 54 a	10 21 p
5	12 30 p	11 03 p
6	1 23 p	11 52 p
7	8 03 a	2 07 p
8	9 00 a	2 52 p
9	9 51 a	3 25 p
10	10 29 a	4 03 p
11	11 04 a	4 42 p
12	11 41 a	5 25 p
13	12 28 a	6 06 p
14	1 04 p	6 42 p
15	1 18 p	7 16 p
16	9 21 a	7 52 p

AUGUST.

D	First.	Second
1	10 55 a	9 28 p
2	11 39 a	10 12 p
3	12 17 p	10 56 p
4	1 12 p	11 41 p
5	2 00 p	12 24 p
6	2 52 p	1 04 a
7	3 40 p	1 53 a
8	4 30 p	2 41 a
9	5 18 p	3 28 a
10	6 06 p	4 15 a
11	6 54 p	5 03 a
12	7 46 p	5 58 a
13	8 39 p	6 44 a
14	9 31 p	7 31 a
15	10 23 p	8 18 a
16	11 15 p	9 05 a

SEPTEMBER.

D	First.	Second
1	11 39 a	10 02 p
2	12 08 p	11 33 p
3	1 02 a	12 30 p
4	1 18 a	1 18 p
5	2 06 a	2 12 p
6	2 26 a	2 43 p
7	3 04 a	3 19 p
8	3 58 a	4 03 p
9	4 41 a	4 58 p
10	5 24 a	5 40 p
11	6 06 a	6 19 p
12	6 50 a	7 08 p
13	7 32 a	7 49 p
14	8 14 a	8 46 p
15	8 56 a	9 39 p
16	9 38 a	10 28 p

OCTOBER.

D	First.	Second
1	11 12 a	11 58 p
2	11 55 a	12 19 p
3	12 50 a	1 22 p
4	1 02 p	2 01 p
5	1 12 p	2 12 p
6	2 02 p	3 01 p
7	2 12 p	3 11 p
8	3 01 p	4 00 p
9	3 11 p	4 12 p
10	4 00 p	5 00 p
11	4 12 p	5 06 p
12	5 00 p	6 00 p
13	5 12 p	6 06 p
14	6 00 p	7 00 p
15	6 12 p	7 06 p
16	7 00 p	8 00 p

NOVEMBER.

D	First.	Second
1	11 09 a	10 02 p
2	11 38 a	10 32 p
3	12 06 p	11 02 p
4	1 00 a	11 32 p
5	1 12 a	12 02 p
6	2 00 a	1 02 p
7	2 12 a	1 12 p
8	3 00 a	2 02 p
9	3 12 a	2 12 p
10	4 00 a	3 02 p
11	4 12 a	3 12 p
12	5 00 a	4 02 p
13	5 12 a	4 12 p
14	6 00 a	5 02 p
15	6 12 a	5 12 p
16	7 00 a	6 02 p

DECEMBER.

D	First.	Second
1	10 41 a	11 03 a
2	1 24 p	11 35 a
3	2 06 p	12 15 p
4	2 50 p	12 55 p
5	3 37 p	1 35 p
6	4 25 p	2 15 p
7	5 13 p	3 00 p
8	6 00 p	3 45 p
9	6 48 p	4 30 p
10	7 36 p	5 15 p
11	8 24 p	6 00 p
12	9 12 p	6 45 p
13	10 00 p	7 30 p
14	10 48 p	8 15 p
15	11 36 p	9 00 p
16	12 24 p	9 45 p

Lying at Green St wharf San Francisco waiting for business

Port of Philadelphia Dec 7th 1883
 by order of Col of Customs
 Butler New letter dated
 Dec 1st 1883 Rebat
 of duties amounting to
 \$48.21 allowed
 under section 2511
 Revised St.

Rebat SUNDAY of duties
 amounting to Three
 hundred & 4th 32
 allowed under Section
 10 Act June 6th 1872
 Port of Portland Me
 Sept 23rd 1878 L B Smith
 D Colm

JANUARY,

MONDAY 3.

1887.

Pay Harriman & Mills on a/c
\$760-

Port of Phila District
of Phila Nov 14th 1883
of Relativ of duties
Amounting to \$1018.50
allowed under Section
10 Act of March 6th 1872
on Philadelphia Mutual
Withdrawn for use

TUESDAY 4.

JANUARY,

WEDNESDAY 5.

1887.

17 75-
88.

[illegible]

THURSDAY 6.

~~326~~
104

H. G. Briggs

You must send Rite
Dale for interest of
John, A. Briggs

JANUARY,

FRIDAY 7.

1887.

Mrs Callis Property
Breach loading shot gun
Superior Barometer
7 Spect. Chart China
Japan, original price
South Atlantic Direction
Finlay's \$2 about

SATURDAY 8.

JANUARY,

SUNDAY 9.

1887.

from Chicago
Chicago 316 Phi
Monday Ar Boston

MONDAY 10.

JANUARY,

TUESDAY 11.

1887.

Oasis slops

JANUARY,

THURSDAY 13.

1887.

oil coat 10 { Rubber Boots
 1 pair H } 4 pr
 1 pair Leather Boots
 13 pair Shoes -
 1 pair 2. jumpers 4
 6 pr. Drains
 7 Cotton Jacks
 10 Cotton Striped Shirt
 4 Blue flannel Shirt
 13 pr Mitts
 2 pr Socks
 2 caps
 19 lbs tracee

WEDNESDAY 12.

FRIDAY 14.

25
 30
 31
 81
 107

JANUARY,

SATURDAY 15.

1887.

JANUARY,

MONDAY 17.

1887.

write Capt Garabed about
buying my interest in Ship

SUNDAY 16.

TUESDAY 18.

JANUARY,

WEDNESDAY 19.

1887.

JANUARY,

FRIDAY 21.

1887.

THURSDAY 20.

SATURDAY 22.

170 $\frac{5}{8}$ BS.

Fine weather - no freight offering
Mr. Whittier Chief Mate
leaves

JANUARY,

SUNDAY 23.

Fine

1887.

Capt Starkey and me
go to Richmond a beautiful
place

JANUARY,

TUESDAY 25.

what 1887.
1703/4 BS.

wrote wife & B+C, Capt. Goodman &
Sister Sister Susan - take a 30 ton
more ballast making 150 tons

MONDAY 24.

1713/4 BS.

No prospect of getting Charter
Capt Starkey paid for Nanaimo

WEDNESDAY 26.

Agree to pay berth \$15. per month
from time of being paid off till
Ship outward - Boy Alfred \$10.
per month same hours

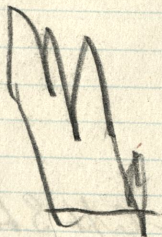
last to withing 1.

JANUARY,

THURSDAY 27.

1887.

166 1/2 88.



FRIDAY 28.

168 1/2

Boys Come Cooking on board

Cash from Consignees \$400.

sent home to wife check for \$400.

JANUARY,

SATURDAY 29.

1887.

166 1/2

HERRIMAN & MILLS.

STEVEDORES,

22 CALIFORNIA STREET,
SAN FRANCISCO, CAL

Cash to Withing \$5-
" " Boy Alfred 1-

Fine weather SUNDAY 30.

"Wilna" arrived from Depen-
-ture bay -

HERRIMAN & MILLS.

STEVEDORES,

22 CALIFORNIA STREET,
SAN FRANCISCO, CAL

JANUARY,

MONDAY 31.

1887.

wrote wife & B+C
 Call on Capt & Mrs Taylor, evening
 at Silver State house

FEBRUARY, WEDNESDAY 2.

1887.

Cash from Consigned \$1000
 Pay mens board bill \$104-

FEBRUARY,

TUESDAY 1. 1887

Fine weather - no business offering

List the ship to repair metal on
 Starboard side

Marketing \$1.87 Cheese 1.35-

THURSDAY 3. 1887

No business

wrote B+C I wanted them to,
 for \$4000

Marketing .75-

FEBRUARY,

FRIDAY 4.

1887.

1887.

Raining all day and
S.E. blow

FEBRUARY,

SUNDAY 6.

1887.

Wrote wife

Marketing 195-

SATURDAY 5.

1887.

Rain & Snow Bar 29.7
4 or 5 inches snow on the ground

MONDAY 7.

Geo Gibson, with me. Received
letter from wife

Wrote Roy Alfred, \$10-
Wrote Mr Cummings

Offered \$36,000 for ship. Telegraph
B+C to that effect \$1-

FEBRUARY, TUESDAY 8. 1887.

FEBRUARY, THURSDAY 10. 1887.

Raining

Asked for the 4 Marking 2-
Car from Consigner \$500

Recive Three telegrams from B.C.

WEDNESDAY 9. 1887.

Geo Gibson goes home to Evington

FRIDAY 11. 1887.
Rain and 88 storm
Sell the ship for \$36,150 -

Wire H. G. Briggs sold for 36,150 hester
\$1- documents

FEBRUARY, SATURDAY 12. 1887.

Trying to negotiate sale of Ship
Cannot get payment arranged

Mr Bishop

Rec^d letter from Sarah

SUNDAY 13.

Rainy - Mr Clune & ladies
on board

Write wife, Sarah, & Frank Gehr

FEBRUARY, MONDAY 14. 1887.

Capt Plumer agrees to get
the money for payment of
Ship Wednesday
Ship St. Francis hauls in
opposite side of our wharf.

Showery Bar 29.7

TUESDAY 15.

Cash from Consignee \$300.

FEBRUARY, WEDNESDAY 16. 1887.

Capt Boyd comes on
board as fresh keeper
for Capt Plummer

FEBRUARY, FRIDAY 18. 1887.

Locate B & C - wind B & C that
money deposited subject to title.
Rec'd telegram from Briggs that papers coming
May return 3.
5% on Stevedores bill \$50, 41
Telegram 1.

THURSDAY 17.

Rec'd letter from Cushing

SATURDAY 19.

Sold Knives \$7.50 Marking 2.

Marking 2.

FEBRUARY,

SUNDAY 20.

1887.

MONDAY 21.

FEBRUARY,

TUESDAY 22.

1887.

Bunting flying for Washington
- town. Birth day

Fred Gibson came to see me
and took away Boy Alfred

WEDNESDAY 23.

Rec'd letter from wife & Sarah

sold Grace for \$3.70

Marketing 2.25-

FEBRUARY, THURSDAY 24. 1887.

Papers for transfer of Ship.
Come but they were not
sufficient 3 PM, with
H & Briggs for Billsale + ^{order} from
of Court

FEBRUARY, SATURDAY 26. 1887.

Get Rebate statements on
Ships' Register Cancelled

Marking 2.

FRIDAY 25.

Wrote H & Briggs about
getting Billsale, also
sent Billsale for
me to return

SUNDAY 27.

FEBRUARY, MONDAY 28. 1887.

Get Rebate Statement
on Register

MARCH, WEDNESDAY 2. 1887.

MARCH, TUESDAY 1.

THURSDAY 3. *Rainy*

Expect bill of Sale
No bill of Sale Come

480 check

MARCH,

FRIDAY 4.

1887.

No papers from home
Settle with Balfour Guthrie & Co.
Deviset in California Bank
\$2639.70.

SATURDAY 5.

shank for home -
John H.

MARCH,

SUNDAY 6.

1887.

to tea with Capt Boyd
at his house

MONDAY 7.

No Bill sale Come
with H. C. Briggs - "Still waiting
for your Bill sale have
you sent it?"

MARCH,

TUESDAY 8.

1887.

No Bill sale Comes

MARCH,

THURSDAY 10.

1887.

Papers forwarded to day

Write B+C "Why don't you send
Bill sale Ship still on my hands"
2:30 P.M.

WEDNESDAY 9.

FRIDAY 11.

Go to Hunter Point in tug boat
with Capt Chapman & others
to Repair Ship W. H. Macy Capt.
Harkness

Telegram from H. G. Briggs
"Corrected paper forwarded
yesterday. Ledge away"

Write wife & B+C

MARCH,

SATURDAY 12.

1887.

SUNDAY 13.

Dinner with Capt Geo W.
Boyd #113 Cumberland St.
San Francisco

MARCH,

MONDAY 14.

1887.

write wife

TUESDAY 15.

MARCH,

SUNDAY 20.

1887.

Ship of a Briggs sails
Evening Oct on
Stan Tallot

MONDAY 21.

Negotiating with Thos
J. Christie & Mr Bigby
about settlement of
Ship.

MARCH,

TUESDAY 22.

1887.

pt pay for Sh^h 36/50.

Remitt by Vills on Nevada
Bank 12/27/ for \$7340.62

12/272 . 28809.00

Trading National Bank \$36149.62
Cash to Mr E F Taylor \$100-

WEDNESDAY 23.

3 Pm, left from San Francisco
Ticket \$72 - I sleep to Ogden 6,
Empire 75

By file on Nevada Bank
for \$500 - # 12/275.

MARCH,

THURSDAY 24.

1887.

Breakfast at Reno 75

Lose my hat near Humboldt

Packing through desert occasional
hot springs - noon stop at Hum-
-boldt Station -

Supper at Elko, 75

Pap Salt Lake
FRIDAY 25.

Breakfast at Ogden 75

Dinner at 25 Supper at
Green River 75

Packing through Wyoming
Barren plains, lots dead
cattle -

Wyoming

MARCH,

SATURDAY 26.

1887.

Breakfast at Saratoga 75

Pap Summit at 9 am.

Snow sheds. They're in

Sleepers \$4.

Nebraska

Dinner Sidney 25

Supper at North Platte 75

west part of the State
apparently barren plain
East part along the Platte
fertile plain

Snow through the night

Breakfast Council Bluffs 50
SUNDAY 27

Sleepers 3, Iowa, pretty
little village - immense corn
cribs Supper on Dining Car 75
Ground covered with snow

very cold

MARCH,

MONDAY 28. ca 1887.

8 Am, Arrive Chicago Break 50
~~3:10 Pm, leave Chicago~~
 in Indiana
 Hat 225 Dinner 30 Sup 20
 Sleeping 2,

3:10 Pm, leave Chicago

MARCH,

WEDNESDAY 30

1887.

Bath 25 Breakfast 45
 Change my Nevada Bank
 bill, for Certificate of deposit
 for \$32,649.62 on Indiana
 National Bank No 2148
 Am \$5000. Biles
 To Portland \$250 Dinner 40
 to Freeport 75 7 Pm, arrive
 at home after absence
 of 9 months and 20 days
 find all well

THURSDAY 31.

Cost. for Confront \$120. Portland +
 back 1. Shopping \$3.34
 Pay BKC on a/c chp. of A B
 \$32,649.62 Deposited in
 Maine Savings Bank \$800
 Deposit in Portland Trust Co
 \$4200.

6:30 Am, pass Niagara
 falls Breakfast 50
 Dinner \$40 at Albany 4 Pm,

Boston + Maine Check
 #480. 25

10:30 Pm, arrive at Boston stop
 at U.S. Hotel sup. 50
 Bed \$1.

APRIL,

FRIDAY 1.

1887.

At home all day

APRIL,

SUNDAY 3.

1887.

At home all day

SATURDAY 2.

Heavy snow storm & gate
Hear "Casis" in Falkland
islands Capt dead

MONDAY 4

Hear "Casis" arrived at
Buenos Ayres

APRIL,

TUESDAY 5.

1887.

APRIL,

THURSDAY 7.

1887.

New York Stevedores
Butler & Son,
Address 32 South St.
oil stored $3\frac{1}{4}$ cts
Mr Capt Summer Tubbits

WEDNESDAY 6.

FRIDAY 8.

Deliver to Cushing My of
with Ship John a Brig
Pay Mr Smith to, Complete last year
Contribution to preaching \$12,

APRIL,

SATURDAY 9.

1887.

Fare to Portland 1. Telion my 9c
 with Ship John A. Briggs to C. A. Briggs
 Box oranges 3.25 Cal. Syrup 1-
 Fruit &c 80 Russell butter 1.25-
 Soc. No. 44 \$7.74 Coming home on
 The cars meet Capt. Porter going
 home -

SUNDAY 10.

Warm Pleasant day attend
 church - evening call to
 Capt. Koopmans.

APRIL,

MONDAY 11.

1887.

TUESDAY 12.

APRIL,

WEDNESDAY 13.

1887.

APRIL,

FRIDAY 15.

1887.

THURSDAY 14.

Fine weather - snow fast
melting but still large drifts
remaining - at home all day
splitting wood &c

SATURDAY 16.

APRIL,

SUNDAY 17.

1887.

APRIL,

TUESDAY 19.

1887.

Staley goes to school first
time -

MONDAY 18.

School Commences -

WEDNESDAY 20.

Not well. in house all day

Write at Potts, Foster & Co
& Hammer & Mills

APRIL,

THURSDAY 21.

1887.

Last day - want 187 feet
wire fence for new yard -

APRIL,

SATURDAY 23.

1887.

Give Randall Co by 6 1/2 lbs
butter at 20 ct a lb
ask Charles Cushing for
settlement

FRIDAY 22.

SUNDAY 24.

APRIL,

MONDAY 25.

1887.

ask Charles Cushing for
a settlement go to Boston
for purpose of getting settlement
with Briggs & Cushing but don't
see them -

TUESDAY 26.

APRIL,

WEDNESDAY 27.

1887.

THURSDAY 28.

APRIL,

FRIDAY 29.

1887.

Call on Geo King and ask
for settlement

SATURDAY 30.

Give Raydale Cr by
692 to brother

MAY,

SUNDAY 1.

1887.

MONDAY 2.

MAY,

TUESDAY 3.

1887.

MAY,

THURSDAY 5.

1887.

WEDNESDAY 4.

FRIDAY 6.

Sim Curtis helping me.
finish wire fence then go out
Clean out hen house
Search all fruit trees for
Borers & scrape off bark lice.

MAY,

SATURDAY 7.

1887.

Go to Portland.

MAY,

MONDAY 9.

1887.

SUNDAY 8.

TUESDAY 10.

MAY,

WEDNESDAY 11.

1887.

Plant Peas, American Wonder
+ Little Gem - also plant
1/2 Bushel Potatoes. Beauties of
Hebron Joe Farewell
helping me.

THURSDAY 12.

MAY,

FRIDAY 13.

1887.

Plant 1/2 Bushel Hebron
Potatoes

SATURDAY 14.

MAY,

SUNDAY 15.

1887.

MAY,

TUESDAY 17.

1887.

Farewell working am. Planted
black eye peas yellow.
Sweet Corn & pop corn - finish
planting

MONDAY 16.

Mr Gaymore ploughs my little
piece beyond my yard -
Plant part of row N.E.
Corner of potato piece
with row flaking terminating
at stake Capt. Dospman said
they are superior quality
also part of row round
potatoes

WEDNESDAY 18.

Butter from Jim Randall

$$\begin{array}{r} 10.2 \\ 2.12 \\ \hline 7.6 \end{array}$$

 Lb. of Amt. 1.40
 $\$1.47$

MAY,

THURSDAY 19.

1887.

Go to Portland by request of
Briggs & Cushing to settle but
they put it off for some
reason

FRIDAY 20.

MAY,

SATURDAY 21.

1887.

My early mas up -
wash out the cellar

SUNDAY 22.

MAY,

MONDAY 23.

1887.

MAY,

WEDNESDAY 25.

1887.

Light rain

TUESDAY 24.

THURSDAY 26.

*Settled with Briggs & Cashier
date in a/c ship "J. A. Briggs"
Bark "Doris" - & personal
a/c*

MAY,

FRIDAY 27.

1887.

MAY,

SUNDAY 29.

1887.

Butter from Jim Randall
10 lb. 3 oz 18 cts a
\$1.83

SATURDAY 28.

MONDAY 30.

MAY,

TUESDAY 31.

1887.

Bought 2 Pigs Griffin two Pigs
6 weeks & 3 days old - pay on
of \$2. Ride with Mr.
Wiggin to Pownal

JUNE,

THURSDAY 2.

1887.

JUNE,

WEDNESDAY 1.

Rain hard all day

FRIDAY 3.

Rainy

JUNE,

SATURDAY 4.

1887.

Buy hive of Bees from Mr
 Durham - patent Langstroth
 simplicity \$10. Smoker, 75
 Quack Cage 50

SUNDAY 5.

JUNE,

MONDAY 6.

1887.

Clear weather after long
 spell of rain. stoop
 go to Portland to do few
 errands

TUESDAY 7.

Mr Gammon helps me cultivate
 potatoe lot

JUNE,

WEDNESDAY 8.

1887.

Start from home at 7 am.
with train for Bryan's Pond
Arrive at 7 PM.

$$\begin{array}{r} 225 \\ 10 \\ \hline \end{array}$$

THURSDAY 9.

$$\begin{array}{r} 215.50 \\ 212.50 \\ \hline \end{array}$$

Repaid of C.C. Wiggins
\$80. dollars

$$\begin{array}{r} 10 \\ \hline \end{array}$$

\$90. August 10.

House raised by Wright of
Rumford

Sired by Farmer Boy owned at
West Paris Leonard Swan

$$\begin{array}{r} 212.50 \\ \hline \end{array}$$

JUNE,

FRIDAY 10.

1887.

Ride to Milbor - Rumford -
to Newry.

Lodge at sister Gibson Norway

Letter from Jas. Raudale
Box 11 1/2 W

Net $\frac{30}{8 1/2}$ "

SATURDAY 11.

Start for Gibson's Norway
at 10 AM. Arrive home
at 9 PM.

JUNE,

SUNDAY 12.

1887.

JUNE,

TUESDAY 14.

1887.

MONDAY 13.

WEDNESDAY 15.

JUNE,

THURSDAY 16.

1887.

JUNE,

SATURDAY 18.

1887.

FRIDAY 17.

My horse-

got hurt

SUNDAY 19.

JUNE,

MONDAY 20.

1887.

JUNE,

WEDNESDAY 22.

1887.

Go to Portland -

Rainy P.M. and evening

TUESDAY 21.

THURSDAY 23.

JUNE,

FRIDAY 24.

1887.

JUNE,

SUNDAY 26.

1887.

SATURDAY 25.

MONDAY 27.

Commence cutting hay
around the house

JUNE,

TUESDAY 28.

1887.

Cutting grass around the
house

Ther 91°

JUNE,

THURSDAY 30.

1887.

Ther 90°

WEDNESDAY 29.

Cash in pocket Am. 69.55

JULY,

FRIDAY 1.

2 Gallons molasses to Harrison
Ward 10 1/2 lbs Butter
from him

Ther 92°

JULY,

SATURDAY 2.

1887.

Got Mr Miller's hay rack
and got in three small
loads hay

SUNDAY 3.

JULY,

MONDAY 4.

1887.

Beautiful weather

Children come near as possible
kettling fire to buildings with
fire of crackers.

TUESDAY 5.

Expect arrival of "Oasis" ~~arrived~~
at Delaware Breakwater

JULY,

WEDNESDAY 6.

1887.

Took from Bee hive
seven boxes honey

JULY,

FRIDAY 8.

1887.

Pick from garden our
first green peas

Ed. Cortis ^{mowing} machine for
me the Geo. Boul grass
also part of my barn

Put in two small loads,
Hay

THURSDAY 7.

SATURDAY 9.

Busy haying. Put in two
small loads, Dr. Saphan
Callo

JULY,

SUNDAY 10.

1887.

Rain

JULY,

TUESDAY 12.

1887.

Go to Portland.
Buy Portland City bond
4% pay \$1026.22 No 160.
Harrison Wood takes my calf
for \$7-

MONDAY 11.

Rain storm

WEDNESDAY 13.

Haul in four small loads
of hay

JULY,

THURSDAY 14.

1887.

Finish getting in all my
hay

"Oasis" arrives at Delaware
Breakwater

FRIDAY 15.

Finish haying

JULY,

SATURDAY 16.

1887.

SUNDAY 17.

Attend Church,
Mr Wilson comes preaching

JULY,

MONDAY 18.

1887.

Wife + me ride to Dussan
- OK shopping -

70.00
18.23
8.10
2.50

98.83

TUESDAY 19.

Leave home at 12 M.
Fare to Boston \$3.10
" " N York 4.00 Room
on Steam Providence 1.00

Dinner 30
\$ 35

Cash in pocket \$100.
Leave at home \$10-

JULY,

WEDNESDAY 20.

1887.

Arrived at NY 8 am, Start for
Phila 9:15 am. Fare \$2.50
at Phila 12:30 Go on board
the Bark
Carnegie 50

Left with Dorrak + E. Lewis
\$70 - for safe keeping -

B. 35 - 7.80 Lodging + Supper at Station
Hotel

THURSDAY 21.

B 1.
~~D 1~~
~~S 1~~

in pocket 18.23
Supper 30

JULY,

FRIDAY 22.

1887.

Send to wife in letter \$5-

Pier 65 Ardis wharf
Tasman St

B: Hotel Supper Hotel
~~Hotel~~
Supper 20 5 meals at Hotel

SATURDAY 23.

JULY,

SUNDAY 24.

1887.

Call with Cap McIntire
at Capt. Call's evening

B. 25 - Supper 96-

MONDAY 25.

Corn at discharging ballast

Fix up with Howard
H & Briggs goes home

breakfast at Hotel. Supper 95- B25 D25 S25-

JULY,

TUESDAY 26.

1887.

Wrote wife inclose \$10.

B. D. S. 75-

WEDNESDAY 27.

Got Coopers paint
look at ways to metal
on

B. D. S. 75-

JULY,

THURSDAY 28.

1887.

Finish discharging ballast

FRIDAY 29.

At 5 am.
haul & Coopers paint, Wain
4 men 3 hours

wrote wife inclose \$10.
Cash in pocket evening \$50.76

Philadelphia

JULY,

SATURDAY 30.

1887.

AUGUST,

MONDAY 1.

1887.

Commence hauling Back on
Rail way at 8 AM finish
at 12 M 17 men working P.M.
5 men helping haul \$1 each

1 Day on dock in

Mr Kirby Comed Service

B25-D25-S.30

SUNDAY 31.

Cash 44.81

26 Cars metal 57 men working

TUESDAY 2.

2 days on dock in
5-5 am
81 P.M.

47 men working
Cash Morning 49.10

AUGUST,

WEDNESDAY 3.

1887.

240
 720
 60
 780

1050
 230

64 men

Write wife send \$10
 Cash to Mr. T. H. St.

\$1050.

60
 60
 60

294

THURSDAY 4.

4 days
 64 men till 3 PM.
 30. all day

Finish metaling 4 PM.

AUGUST,

FRIDAY 5.

1887.

Come of Dock 2 PM.
 5 men hauling \$5

Draft Forward 9 = 11 aft 12.

SATURDAY 6.

Write wife & B & C

Take line 65-

Pay Board & Lodging at St Albans
 Hotel \$10.90

Cash 22,

Rhila

AUGUST,

SUNDAY 7

1887

Cash 8.85

Cost of making sails

#1 33 Cts.

" 1 32

" 3 30 15% off

" 4 28

14 Cts. per yard for making
Lawrence Duck

MONDAY 8.

8.35

AUGUST,

TUESDAY 9

1887.

\$6.77

WEDNESDAY 10. 5.39

Cost from Blue L^{et} 10.
washing 62.

\$13.77

AUGUST,

THURSDAY 11.

1887.

Haul to Point Breuge

AUGUST,

SATURDAY 13.

1887.

No Cargo to day

Cash to Mr Kirby \$5-

\$7.27

FRIDAY 12.

Cash from Phil \$20-

3000 Cases on board

Send wife \$5. altogether \$30.

20.77

SUNDAY 14.

Ride to
Fairmont Park Capt McEntire
Hodgdon & myself

25.28

19.55

AUGUST,

MONDAY 15.

1887.

Go over to Point breeze
in buggy

Recd ltr from Briggs,
+ Capt Chadbourne
write Briggs + Chadbourne

10400 Cases taken on board
to day

TUESDAY 16.

~~Sendy sails for~~

9,300.
~~10400~~ Cases to
on board to day
Pay brig food \$4.19

Cases
32,700

18-10

AUGUST,

WEDNESDAY 17.

1887.

Cases 22,700
Taken in to day 10,100
32,800

Cases entire cargo \$40,612

Cash to Mr Kirk ~~for~~

THURSDAY 18.

loading

Finish

Pay for Carl King food 21

9-55

Philadelphia

AUGUST,

FRIDAY 19.

1887.

Haal from Binf Bree
at Anchor in The Delahay

Carriage \$150
Labor " 300
oil " 240

Cash from ~~Claret~~ \$25,
Rend wife \$10.

SATURDAY 20.

Slap on
board the "Oasis"

Ship Undaunted Leave San -
Francisco May 5th expected
to New York about this time

24
30
31
20
105

150 marketing \$314

AUGUST,

SUNDAY 21.

1887.

NY train
arr. 7.30 + 8.30 - 9.30

Boat \$1.

MONDAY 22.

11 AM Capt
Chad from wife leave
Luz boat for the Bark lying
in the stream

marketing 578

AUGUST,

TUESDAY 23.

1887.

Leave Phila for N.Y.
 7 Am, at N.Y. 9 Am.
 \$2.50 Fare

18 Lodging \$9.00

Oasis sails from Delaware
 Breakwater

Leave N.Y. 5.30 P.M. \$5.00 Fare
 \$120.

WEDNESDAY 24.

Lodging

Finish - Boston 9 Am, leave
 1 P.M. Portland 5 P.M.,
 get home at 6.15 P.M.
 Fare Boston to Freeport
 \$3.10

Fruit \$3.00

AUGUST,

THURSDAY 25. \$101.00 1887.

Rainy

FRIDAY 26.

\$101.00

AUGUST,

SATURDAY 27.

1887.

Wife & me ride to Portland
hoping - fine cool day

AUGUST,

MONDAY 29.

1887.

Harrison Ward mows my
second crop of grass

SUNDAY 28.

Wife & me
Neal & Helen make our
annual visit to aunt Jane
Cogood at Durham

TUESDAY 30.

AUGUST,

WEDNESDAY 31.

1887.

SEPTEMBER,

FRIDAY 2.

1887.

SEPTEMBER,

THURSDAY 1.

SATURDAY 3.

my natal day 57
years old

SEPTEMBER, SUNDAY 4. 1887.

Attend church. Contribute \$1.

SEPTEMBER, TUESDAY 6. 1887.

MONDAY 5. Digging potatoes.

about 75% rotten. Haul in
second crop hay

WEDNESDAY 7.

Ride to
State fair Rufus & Robbie
with me

SEPTEMBER, THURSDAY 8. 1887.

SEPTEMBER, SATURDAY 10. 1887.

FRIDAY 9.

SUNDAY 11.

SEPTEMBER, MONDAY 12.

1887.

Children Convey going
to school. Robert
Robbie's first entrance
in grammar school

TUESDAY 13.

SEPTEMBER, WEDNESDAY 14.

1887.

THURSDAY 15.

Received
telegram from Capt Chad-
orne from Lisbon Portugal
"Bark" "Oasis" abandoned
in sinking condition all
hands safe" I am
not insured - a loss
to me of \$5000.

SEPTEMBER, FRIDAY 16. 1887.

Rufus & me ride to Lund
Harperville buy some good
dry fish

SEPTEMBER, SUNDAY 18. 1887.

SATURDAY 17.

MONDAY 19.

SEPTEMBER,

TUESDAY 20.

1887.

SEPTEMBER,

THURSDAY 22.

1887.

WEDNESDAY 21.

Ride
to Cumberland Centre
town fair take Louisa
& Jack

FRIDAY 23.

SEPTEMBER, SATURDAY 24.

1887.

Ride to Portland take
Rottie along -

SEPTEMBER, MONDAY 26.

1887.

Haul three load sand
dust from mile

SUNDAY 25.

Ride to Yarmouth bring
back sister Susie and

TUESDAY 27.

Rufus hauls two load
gravel to put on
walks

SEPTEMBER, WEDNESDAY 28. 1887.

SEPTEMBER, FRIDAY 30. 1887.

THURSDAY 29.

Rufus hauls two loads
gravel to put on walks

OCTOBER, SATURDAY 1.

OCTOBER,

SUNDAY 2.

1887.

OCTOBER,

TUESDAY 4.

1887.

MONDAY 3.

WEDNESDAY 5.

Ride to Portland alone got
M.C. Railway Coupons Cashed
120.00

OCTOBER,

THURSDAY 6.

1887.

Ride to Weymouth to see sister
Lizzie husband & Son
as they pass in the train
on their way for California
to settle near Tulare City.

OCTOBER,

SATURDAY 8.

1887.

Fine fall weather. Digging
trench & laying tile drain
from asparagus bed across
path

FRIDAY 7.

SUNDAY 9.

OCTOBER,

MONDAY 10.

1887.

OCTOBER,

WEDNESDAY 12.

1887.

TUESDAY 11.

Buy of
Chas Sitchfield 4 1/2 Bbls
apples \$12.

THURSDAY 13.

Ride to
Topsam Fair take
Cookie & Neal, food
show

OCTOBER,

FRIDAY 14.

1887.

working on drain

OCTOBER,

SUNDAY 16.

1887.

SATURDAY 15.

wife & me

Ride to Brunswick & chopping
take Mr Cummings

MONDAY 17.

fine work

Ride to Brunswick &
take Mr Cummings

OCTOBER,

TUESDAY 18.

1887.

OCTOBER,

THURSDAY 20.

1887.

WEDNESDAY 19.

FRIDAY 21.

OCTOBER,

SATURDAY 22.

1887.

OCTOBER,

MONDAY 24.

1887.

Ride down to Quarry

SUNDAY 23.

TUESDAY 25.

OCTOBER, WEDNESDAY 26. 1887.

OCTOBER, FRIDAY 28. 1887.

THURSDAY 27.

SATURDAY 29.

*Lake side
boxes from Deep River and
put in cushions*

OCTOBER,

SUNDAY 30.

1887.

NOVEMBER,

TUESDAY 1.

1887.

MONDAY 31.

WEDNESDAY 2.

NOVEMBER, THURSDAY 3. 1887.

NOVEMBER, SATURDAY 5. 1887.

Comed fire in Furnace

FRIDAY 4.

SUNDAY 6.

NOVEMBER,

MONDAY 7.

1887.

NOVEMBER, WEDNESDAY 9.

1887.

Fine warm weather,
dry and dusty - need
rain much - Wells & Cistern
getting low

TUESDAY 8.

Gave Mr Wilbur order for
five dollars - as prepayment
for washing

THURSDAY 10.

NOVEMBER,

FRIDAY 11.

1887.

Light fall of snow. frost
of the sidewalk -

SATURDAY 12.

NOVEMBER,

SUNDAY 13.

1887.

150

1000

7

MONDAY 14.

NOVEMBER, TUESDAY 15. 1887.

NOVEMBER, THURSDAY 17. 1887.

WEDNESDAY 16.

FRIDAY 18.

NOVEMBER, SATURDAY 19. 1887.

NOVEMBER, MONDAY 21. 1887.

Brought Bbl Flour

SUNDAY 20.

TUESDAY 22.

Bought Bbl Flour Pillsbury
Paid \$5.60

NOVEMBER, WEDNESDAY 23. 1887.

NOVEMBER, FRIDAY 25. 1887.

Children have whooping Cough

THURSDAY 24.

SATURDAY 26.

Agree to buy piece of
land of Dr. Pierce

NOVEMBER,

SUNDAY 27.

1887.

NOVEMBER,

TUESDAY 29.

1887.

Mr Lamson help me
butcher pig - weight of same
173 lb.

MONDAY 28.

Get Portland
buy piece land of Dr J. S. Pierce

WEDNESDAY 30.

Coldest day of the season
1° below

DECEMBER, THURSDAY 1. 1887.

DECEMBER, SATURDAY 3. 1887.

FRIDAY 2.

Hauling sheep from barn
Cellar on to Rice St
- four loads

SUNDAY 4.

DECEMBER,

MONDAY 5.

1887.

DECEMBER,

WEDNESDAY 7.

1887.

TUESDAY 6.

THURSDAY 8.

DECEMBER, FRIDAY 9. 1887.

DECEMBER, SUNDAY 11. 1887.

SATURDAY 10.

MONDAY 12.

DECEMBER, TUESDAY 13. 1887.

DECEMBER, THURSDAY 15. 1887.

WEDNESDAY 14.

Fine warm weather

FRIDAY 16.

DECEMBER, SATURDAY 17. 1887.

DECEMBER, MONDAY 19. 1887.

SUNDAY 18.

TUESDAY 20.

Fine warm weather. Got
Portland in Cars

DECEMBER, WEDNESDAY 21.

1887.

DECEMBER,

FRIDAY 23.

1887.

Light snow. Got sleigh wife and me ride to
ridg take ride the first Brunswick fine sleighing
for the season

THURSDAY 22.

SATURDAY 24.

DECEMBER,

SUNDAY 25.

1887.

Attend Church.
Contribute \$1.

DECEMBER,

TUESDAY 27.

1887.

MONDAY 26.

Finish
thing - Attend Massime
Dodge - Elected Treasurers

WEDNESDAY 28.

Agree to purchase of
Mill Bailey a fine piece
wood, lot near Ed
Curtis.

DECEMBER, THURSDAY 29. 1887.

DECEMBER, SATURDAY 31. 1887.

Adieu old year —

FRIDAY 30.

ADDRESSES.

Name.	Residence.
1613 Sung Talbot Golden Gate Avenue Above Scot St McAlister 2 ^d Class	

ADDRESSES.

Name.	Residence.
Robt. G. Roper	

Bark Zenia

CASH ACCOUNT — AUGUST.

CASH ACCOUNT — AUGUST.

Date.	Received.	Paid.	Date.	Received.	Paid.
June	35-		657.75	Salv	
Wails	87.50		13.50	Loamen	
Levin	25-		30	Lump	
			89.10	Punching	
			18	for	
			36	Oaking	
			21.75	mops & pulleys	both
			170.80	Dock dues	
			760.36	1911. Shuk.	

metal

05

CASH ACCOUNT — SEPTEMBER.

CASH ACCOUNT — SEPTEMBER.

CASH

Checks No.

Date

Date.

115

616

18 03

Received.

Paid.

Canvas wanted

No 2	400	Yards
3	200	"
4	1	Bulk
6	1	
5	1	Bulk
25 lbs twice		

Metal Vils	\$	12	12	50
2 Lbr. Tar & Oakum		10	05	
Dock dues		3	33	
		25	50	50

CASH ACCOUNT — OCTOBER.

Date.	Received.	Paid.
Nov. 10		
Libertyville.		
Lake Co.		
Mitchell, N.Y. 84		

Disbursement N.Y. 84

Vasis

CASH ACCOUNT — OCTOBER.

Date.	Received.	Paid.
\$12330		
725		
11 99 1/2		
13 79 24		
1 32		
27 10		

Loachin 502.	
Disch 535	
Main Savings Bank	\$ 4479 20
Portland do	4740 98
Bonds	5500
Notes	1895
Trust Co.	487
	<u>17272 18</u>

CASH ACCOUNT — NOVEMBER.

Date.	Received.	Paid.
My wages say	15 00	
" Frank Ship	28 24	
" " freight	1 50	
	44 74	
Oasis freight at Buenos		
Ayer	\$ 92 71	
Sent home	48 35	
	44 36	

C. F. Howard
Post Townsend

Mr Bartlett

Mr Kirby Dr 875

CASH ACCOUNT — NOVEMBER.

Date.	Received.	Paid.
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CASH ACCOUNT — DECEMBER.

Date.

Received.

Paid.

5000
4893.75-
2446.87
12340.62

36150
12340.62

23809.38

12340.62

36150.00

Levi P. Peterson
Ingrance
Smith

Wm. Sloane 33 South St.
Sturbridge N.Y.

CASH ACCOUNT — DECEMBER.

Date.

Received.

Paid.

Long & Co
Expenses for
Photograph
Cash on order

12.98
5.50
100.66
12

240.14

7100.00 Cash for

CASH ACCOUNT — SUMMARY.

	Received.	Paid.
JANUARY,		
<i>Moses Campbell</i>		
FEBRUARY,		
107 1/2 High St		
MARCH,		
<i>Perth</i>		
APRIL,		
<i>S. C. Hanks</i>		
MAY,		
JUNE,		
<i>Gave me Cap.</i>		
JULY,		
\$12, for M. Oasin		
AUGUST,		
<i>freight 780 m</i>		
SEPTEMBER,		
OCTOBER,		
NOVEMBER,		
DECEMBER,		

Capt Ed Fona
- with

Capt Chadborn

J. & Co. Carter
#214 State St

61 meals at
Cooker Point

Amk Disbursement
\$8650.24

Balance to be
paid \$6632.24

